



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: July 2019

Incorporated in Rule 62-761.850, F.A.C.

Storage Tank System Equipment Registration Form

Fill out completely

General Information

Company Name: Icon Containment Solutions

Contact Name: Paul Reber, Technical Manager

Company Address: 2043 W 2425 S, Suite A

City, State: Woods Cross, Utah Zip: 84087

E-mail: paul@iconcontainment.com

Contact Number: 801.683.8484

Product Name: Sump Leak Repair

Model Number(s): Various Part Numbers

Product Type: Fittings, Structural, Lids

Rule(s) citation that registration is being requested within Chapter 62-761 (UST), and/or 62-762 (AST), _____

F.A.C.: Write a brief description of equipment registration request including product limitations:

Secondary containment sump leak repair applications, which include (1) SplitRepair Fittings in various sizes and designs in flexible compression sealed ProTex material and rigid bonded glass filled nylon material; (2) Structural repair of sump wall leaks for seams, holes, or cracks; (3) Water tight sump lid replacement. There is no limitation on sump or fitting or piping manufactured design. Repairability is evaluated on a case by case basis.

Information Checklist (Choose Yes, No, or N/A - Not Applicable):

	Yes	No	N/A
1. Third-party Certification by a Nationally Recognized Testing Laboratory? (Required)	☒	☐	☐
2. Documentation of third-party evaluation that the equipment meets DEP Rules?	☒	☐	☐
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?	☐	☐	☒
4. Technical information and drawings included?	☐	☐	☒
5. Installation instructions included?	☐	☒	☐
6. Annual Operability Testing Requirements (Rules 62-761.500, 62-762.501, & 62-762.502 F.A.C.)?	☐	☐	☒
7. Integrity Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702, F.A.C.)?	☐	☐	☒
8. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?	☒	☐	☐
9. Has the product been approved or registered in other countries or states? (If so provide list)	☒	☐	☐
10. Any requirements for company-certified installers or trainers?	☒	☐	☐
11. Was this product(s) previously approved or registered by the Department? If yes, EQ- <u>896</u>	☒	☐	☐
12. Any changes or modifications to the equipment since the last submittal to DEP?	☐	☒	☐

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@floridadep.gov, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

Icon sump repair product offerings for sump fitting, structural, and lid repair have been installed successfully throughout the US and Florida since introduced in 2011. These products are specified by many major retail fueling organizations and installed by Icon Certified contractors. Used specifically for leaking sumps after failed compliance testing. Materials have been proven compatible to all fuel types through various independent testing over the years. No material changes have been made since initial testing. All offered product applications comply to the EPA recognized standard/code of practice NLP/KWA Standard 823 as required in 40CFR 280.33(d).

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Paul Reber, Technical Manager

Printed Name and Title

Paul Reber
Signature (right click to sign)

10/28/2025

Date

For Department Use Only:

Date Application Received: 10/28/2025

Application complete:

Yes: ☒ No: ☐

EQ- 896

Date of complete or incomplete letter sent: 10/29/2025

Date Equipment Requires Renewal: 10/29/2030

Storage tank system equipment requires renewal every 5 years in accordance with subsection 62-761.850(2), F.A.C.

September 11, 2020

RE: Sump Leak Repair Products Compatibility Statement

This letter is to certify the compatibility of Icon Containment Solutions manufactured sump leak repair products to all ASTM Methanol blended fuels, Ethanol blended fuels from E10 to E100, Biodiesel blends from B2 to B100, and DEF diesel exhaust fluid typical in fuel storage containment sump applications; and covers Icon's SplitRepair Rigid (bonded seal) & Flexible (compression seal) sump repair fitting designs, sump structural repair bonders and patches, and replacement tank sump lid products used in restoring UST/AST containment tank, spill, transition, and dispenser sumps to a compliant, fuel-tight condition.

Icon's repair fittings are engineered and manufactured with independently tested materials that offer the greatest durability and compatibility with in-sump applications. Other materials included in the testing are split-bonding solvent (Icon FastFuse), gasket sealants (Icon PetrolSeal or Sika Corp Sikaflex 1a), filler material (Icon FastFill), and structural bonders (Icon iBond or Icon PolyFuse). Reference Icon product information sheets for specific labels and details as applicable.

Additional successful testing with these products has included prolonged exposure to High Density Hydrocarbons; Ozone; UV; High & Low-Temperatures; Water Saturation; Tensile Strength; Flexibility & Compression; Microbial Corrosion; and Vibration Stress.

If you have a need for any additional information, or have any questions regarding this statement or specific products, please contact us at (855) 379-7867 (Dry-Sump).

Sincerely,



Jason Mitchell
General Manager

09/30/2020

Laura S. Fisher
UST Leak Prevention and Office of Tank Tester Licensing Manager
Division of Water Quality
State Water Resources Control Board

Re: Engineering Statement for Icon Containment Solutions Products

Ms. Fisher,

I have been a licensed California Professional Engineer since 1998 and was in a supervisory role for the Icon Containment Solutions (Icon) testing project managed by Eryou Engineering, completed in July 2018. The testing was conducted according to industry recognized ASTM and other testing protocols. Reference made by Eryou Engineering to UL 2447 in the testing certificate and report is simply to compare the similar testing project design/requirements that were followed in the Icon testing program and a UL 2447 test. No claim of UL listing is being made.

The Icon manufacturing design of tested SplitRepair fitting products includes a controlled process of injection molding in two general design types – 1. Flexible Compression Seal Fittings with a proprietary material labeled “ProTex” in minimum thickness of .155”; and 2. Rigid Bonded Seal Fittings with a proprietary nylon material in minimum thickness of .13”. Variations otherwise are only for size and shape. These manufactured components fall under “IRF”, “ISR/INR”, “IRI/INI”, and “IPC” Series Icon part numbers, and are combined with other non-corrosive components in kits as applicable (bolts, tek screws, band clamps, and compression rings). The fitting kits as tested also included the following materials under “IAC” Series Icon part numbers as applicable - “FastFuse”, a proprietary chemical bonding solvent for split bonding the “ProTex” material fittings; “PetrolSeal” and Sikaflex 1a gasket sealants; “FastFill”, a proprietary fitting filler; and “iBond”, a proprietary structural bonder for the Rigid fitting bonding seal. Other “IAC” Series tested products include the structural repair bonder “PolyFuse” for HDPE lamination bonding and “FastFix” Patch, which is a fiberglass and UV curing epoxy lamination with a proprietary bonding agent. All of these products were installed per Icon procedures prior to the testing.

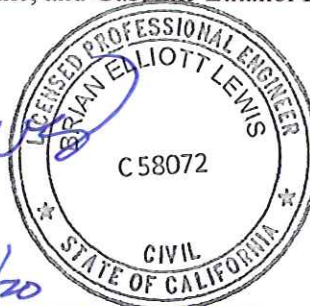
No design changes in the products have occurred since the testing event. Therefore, Icon products manufactured on or after the testing completed on July 18, 2018 have sufficient thickness, density, durability, and corrosion resistance to prevent structural weakening of the secondary containment system, and conform to CA UST Regulations, Title 23, Chapter 16, Section 2631 (d) and 2631.1. The next periodic review is scheduled for July 2021.

Icon's tested products are compatible with Diesel Fuel Oil, Biodiesel Blends up to B100, Renewable Diesel Fuel up to R100, Gasoline, and Gasoline Ethanol Blends up to E100.

Best regards,



Brian E Lewis, PE (CA PE # C58072)



9/30/20

Roundtable Engineering Solutions, Inc
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CERTIFICATE OF COMPLETION OF THIRD-PARTY UL 2447 EVALUATION

July 31, 2018

Mr. Paul Reber
Icon Containment Solutions
905 North Main Street
Suite D1
North Salt Lake, UT 84054

Dear Mr. Reber:

Reference Number: ICS07312018

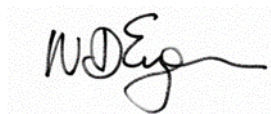
UL 2447 "Outline of Investigation for Containment Sumps, Fittings and Accessories for Fuels"

Products Evaluated: Icon SplitRepair Sump Penetration and Test Reducer Fittings
Sump Damage Repair (cracking, holes, seam leaks).

Our UL 2447 Third-Party Certification inspection and testing process of your products listed above has been completed and they were determined to comply with the above listed requirements.

While the products tested met the UL 2447 requirements, you should be aware that UL has the exclusive right to allow your firm to apply the UL label to your products as their labeling program includes an extensive ongoing UL quality control program.

Respectfully,



N.D. Eryou, PhD, P.E.

ICON – UL 2447 Evaluation 082218

UL2447 COMPLIANCE TESTING FOR ICON CONTAINMENT SOLUTIONS



icon
Containment Solutions

Prepared for:

Icon Containment Solutions.
905 North Main Street
Suite D1
N. Salt Lake, UT 84054

Prepared by:

N.D. Eryou, Ph.D., P.E.
Consulting Engineer
5051 Castello Drive, Suite 244
Naples, FL 34103

July 2018

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Icon Containment Solutions Objective

Acquire third-party engineering and testing services to perform and certify compliance and compatibility testing of Icon SplitRepair Fittings (Compression & Bonded Seal Designs) and Sump Structural Repair Bonding Applications for use in Polyethylene and Fiberglass Secondary Containment Sump types under UL2447 testing protocols.

PROFESSIONAL ENGINEER'S REVIEW

A representative of this firm has conducted an applied engineering investigation into the suitability and fitness for purpose of various sump fitting repair systems from Icon™ systems.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations



Signature

N.D. Eryou, PhD, PE

Name

Eryou Engineering

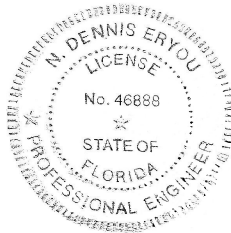
Company

07/31/2018

Date

46888

FL - P.E. Registration Number



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1.0 INTRODUCTION

The UL2447 requirements cover containment sumps, and associated sump fittings and accessories intended for below or at grade use as an enclosure for housing and access to underground piping, connector piping, and other fueling system components such as pumps, valves, sensors, wiring, etc. in addition to temporary containment of typical liquid fuels as identified in the specification. The products are intended for use in commercial or private automotive fueling station applications. Some fittings or accessory products may be optionally evaluated for repair or replacement applications in sumps that have been in service.

Containment sumps may be either primary or secondary constructions of metallic, nonmetallic or composite materials. Containment sump fittings and accessories may be included as either an integral part of the containment sump, or as a field installed kit and are intended for containment of automotive fuels and exposure to soil fluids that have similar chemical, physical and material compatibility properties as represented by the test liquids in these requirements based on fuels formulated in accordance with EPA 40 CFR Part 80, Regulation of Fuels and Fuel Additives.

Products covered by this specification are intended to be installed and used in accordance with one or more of the following standards:

- NFPA 30, Flammable and Combustible Liquids Code;
- NFPA 30A, Code for Motor Fuel Dispensing Facilities and Garages;
- NFPA 1, Uniform Fire Code;
- International Fire Code published by the International Fire Council; or
- Other Applicable Federal and State regulations for the specific product or application.

These products must be factory manufactured and intended for on-site field assembly, inspection and leak testing for the specified applications and use conditions by qualified persons in accordance with the manufacturer's instructions and local requirements. They are intended to be periodically inspected and maintained for continued service or taken out of service by qualified persons in accordance with industry recommended practices or manufacturer's instructions

These products have not been evaluated for use after natural disasters, fires or exposures to chemicals not representative of the test liquids or excessive physical damage beyond the expected assembly, installation and uses as identified in these requirements. They have not been evaluated for special use applications where exposed to heavy or continuous physical abuses, excessive mechanical stresses; or environments that operate outside of the expected atmospheric conditions and ambient use temperature range.

These requirements do not cover underground piping products, which are found in either the Standard for Nonmetallic Underground Piping for Flammable Liquids, UL 971 or the Outline for Metallic Underground Piping for Flammable Liquids, SU 971A. These requirements do not cover connector piping products, which are found in the specification for Flexible Connector Piping for Fuels, SU 2039, or tank accessories, which are found in the Outline for Fuel Tank Accessories, SU 2583.

2.0 ICON PRODUCT APPLICATION

The following ICON™ product applications were investigated with respect to UL2447 Sump Penetration sealing and sump repair suitability.

2.1 Icon SplitRepair Fittings

- 1) Use - Repair Sump Penetration and Test Reducer Fittings. The split design of fittings allows for repair without requiring disconnection of piping.
- 2) SplitRepair Fitting Materials for Mechanical Compression Seal – Possible combination of Icon ProTex material flexible boot components with minimum material thickness of .155”; nylon compression ring; stainless steel band clamps; Icon FastFuse split fitting bonding solvent; Sika Sikaflex 1a or Icon PetrolSeal gasket sealant; Icon FastFill fitting filler; or Icon iBond structural bonding agent.

Seal Design: Mechanical compression to sump wall and piping surfaces; secured with stainless steel band clamps, possibly using existing fitting bolt/nut/compression ring, or supplied nylon compression ring. Some applications use ‘tek screw’ mounting to the sump wall. Prior to final assembly and installation, the split flexible ProTex boot components are bonded together with Icon FastFuse solvent. Fitting may also be filled with Icon FastFill, a rapid-setting polyurea compound.

- 3) SplitRepair Fitting Materials for Bonded Seal – Glass filled nylon frame and Icon iBond structural bonding agent.

Seal Design: Bonded seal to sump wall and rigid piping [fiberglass, metal, HDPE] with application of Icon iBond structural bonding agent applied behind and around the glass filled nylon frame and pipe after existing fitting components are sufficiently removed.

- 4) Application – Liquid-tight adherence to all material (piping and sump) substrate surfaces [flexible, fiberglass, HDPE, metal, or concrete]. Application pipe size ranges of suitability claimed from 1/4” to 14” Nominal Pipe OD Size.

2.2 Icon Structural Bonding

- 1) Use - Sump Damage Repair (cracking, holes, seam leaks).
- 2) Materials - Icon iBond structural bonder for fiberglass sump damage repair;
Icon PolyFuse structural bonder for HDPE sump damage repair;
Icon FastFix UV cured FRP patch for fiberglass damage repair;
FRP or HDPE pieces for lamination as applicable.
- 3) Seal Design - Structural bonding over the damage with epoxy resin or other permanent adhesive contact.
- 4) Application – Bonding agent is dispensed and distributed over mechanically cleaned, abraded and dry sump substrates of any kind deemed repairable. May be used in combination with a lamination of same substrate material to improve structural integrity as applicable, and possibly covered with Icon PetrolSeal to improve long-term fuels compatibility. UV curing RFP patch is applied over a mechanically cleaned, abraded, and dry fiberglass surface.

3.0 APPLICATION TEST PARAMETERS

This testing specifically applies to compliance to the UL2447 ISSUE NO: 1 (Mar 30,2013) Edition with specific focus given to sections referenced below in curly brackets. {}.

“...” * The below excerpt(s) are not a complete facsimile of the subject matter and a full reference should be made readily available to the reader of this document for reference.

The text below that is underlined is intended to bring focus to Eryou ’s 3rd party interpretations of the standard as the most sound, appropriate and applicable use of the testing standard. Representing a comprehensive fully vetted test ensuring; product performance as indicated and protection of the public and environment..

{1.2 Containment Sumps.}

{1.2.1 Containment Sump Fittings}

{1.3 Containment sumps, fittings and accessories intended for containment of automotive fuels...}

- a) {1.3 a) ASTM D975 Standard Specification for Diesel Fuel Oil, or low blend biodiesel (max B5)
- b) ASTM D7467 Standard Specification for Diesel Fuel Oil and Biodiesel Blends (B6 to B20)
- c) ASTM D4814 Standard Specification for low blend ethanol (max E10)
- d) ASTM 5798 Standard Specification for high ethanol blends (E51 – E83)
- e) ASTM D4814 & 5798

{3.2 Containment Sumps- ... Sumps are intended to provide a connection interface for underground piping, wiring and accessible housing for fueling system components, and the temporary containment of these liquids in the event of spills or leaks}.

{3.3.1 Penetration Fittings- Fittings intended to provide a liquid tight seal and securement of primary, secondary or chase piping ending at the inner or outer containment sump wall(s)}.

{4.2 Sump fittings shall be primary or secondary types designed to form leak tight connections through or to the sump wall and piping and are permitted to be constructed of any material combinations. Fittings are permitted to be constructed of multiple pieces for assembly with manufacturer supplied installation kits (hardware, seals, etc.) ...}.

{4.2.a) The fitting manufacturer’s instructions shall identify the recommended fitting-sump combinations which have been evaluated by this Outline by specific model(s) and/or generic material(s)/type(s), and if intended for new and/or repair/replacement installations...}.

{4.2.b) Any parts of the fittings that are also part of the underground pipe, and functions as a liquid or vapor containing part of the piping system shall additionally comply with UL971 or SU971A as applicable}.

{4.4 All materials used in the construction of sumps, fittings and accessories shall be suitable for their intended use locations with respect to normal (expected use within marked ratings) and abnormal (reasonable foreseeable misuse) conditions per the required performance tests described in this Outline}.

{4.8 All adhesives, gaskets, sealing compounds, fusion welds and other joining methods shall be evaluated with the complete assembly after installation per the manufacturer's instructions}.

{5.4 Damage shall be determined by visual examination with the naked eye from Arms-length (approx. 3ft), of any critical part of a component or system....}

{6.1.2 ...Polymeric samples ... shall be based on the average of three test samples.}

{6.3.2 ...Three tensile bar samples in the minimum thickness shall be evaluated.... Cross head speeds between 2.0 imp and 20.0 ipm shall be determined by the generic material type and... per ASTM D638}.

{6.4.1... All Thermoset materials shall be measured... per ASTM D790-91...and ...ASTM D256-90...}

{7.1.1.1 Abuse Tests are intended as a pre-condition of sump products.....}

{7.1.3 Abuse tests for all nonmetallic and composite sump products shall be conducted at both - 30°C and 50°C... using separate samples for each test temperature.}

{7.2.1 The worst case representative samples shall be subjected to a 4ft drop at the high and low temperatures onto a flat concrete surface on 2 locations... side and bottom...}

{7.3.1 The worst case representative samples shall be subjected to a 6.8 N-m impact at high and low temperatures with a 2" steel ball...} [THIS CALCULATES OUT TO A 1.3METER FALL OF A 0.538Kg STEEL BALL DEVELOPING A SPEED OF 5.05M/SEC DELIVERING 6.85 JOULES]

{8.1.5 For fitting manufacturers who do not make sumps, one sump representative of each generic type, design, material, shape, and thickness range that are intended to be used with their product(s) shall be installed in/through the sump wall per the fitting instruction to assess damage and leakage after assembly}.

{8.2.2 (Torque Test) Sump internal and test fittings shall be connected to the intended accessory... then subjected to ... [2" sample} = 37.5 ft pounds.}

{8.4 Push Pull... fittings shall be subjected to 50 lbf... [this is achieved by placing a 50 lbs. weight axially on the end of the pipe penetrating through the sump and observing deformation]}.

{10.2 Sump Leakage.....Filled $\frac{3}{4}$ full of water for at least 15 minutes....}

{12.1.1 Representative samples of each sump, fitting..... shall tested per... UV Exposure....}

{12.1.2 Representative 6 in square plaques cut from sump walls...}

{12.2.1 UV Exposure Test... per ASTM G153, and ASTM G155}

{12.4.1 For all Polyethylene blend or pure poly. Items one worst case sample shall be exposed to a 10% oily-oxethylated nonylphenyl solution for 180 hours at 60°C}

{13.1 Compatibility test liquids..... @ 104°F ASTM formulations of “Gasoline”, Ethanol Blended Gasoline, Diesel and Bio-Diesel, for 90 days with minimum $\frac{1}{4}$ submergence and visual inspection for leaks or chemical attack.}

4.0 GENERAL BUILDOUT of TEST SUMP CONTAINERS and PRODUCT APP.

Eryou has opted to place emphasis on “worst case representation” of the environmental factors the systems will be subjected to... for example.

- 4.1 {7.1.3 Abuse tests for all nonmetallic and composite sump products shall be conducted at both -30°C and 50°C....using separate samples for each test temperature.}

Any flaws from one temperature extreme will exacerbate a weakness in the other resulting in a failure that might escape detection; given subjecting the test sample to a single extreme. It is Eryou's experience from years of actual field installations that both temperature extremes exist after a sump is placed into use. Therefore, the order of testing operations has been revised to subject the test materials to the worst-case situations which more closely matches the real-world extremes. Therefore, Eryou has subjected a single sample to both temperature extremes

- 4.2 {7.1.1.1 Abuse Tests are intended as a pre-condition of sump products.....}

The testing starts with chemical compatibility soaking; at high and low temperatures, in both liquid and vapor phases, for both sump types (fiberglass and poly), for both basic fuel types (diesel and gasoline). Then diesel is replaced with bio-diesel and gasoline with E-85 as in the real-world conditions a sump and its associated piping can see various fuels and risk exposure of any of these types at the same or different times.

Finally, after this chemical exposure the abuse tests are performed. The sump and piping are stepped on and cut, drilled, twisted and exposed to these conditions during a repair. This is after there has been a leak with chemical exposure to the sump and often significant time has elapsed between the leak and the repair.

This order of testing ensures any material defects whose weaknesses are exacerbated by chemical, or thermal environmental factors are brought out before physical abuse testing can be impressed on the samples.

- 4.3 {12.1.2 Representative 6 in square plaques cut from sump walls...}

The ASTM G 155 standard for UV testing within a Q-Sun Environmental chamber defines the sample size and it is not 6" square. The certification for gamma deviation and testing by the independent laboratory follows the ASTM G 155 protocol.

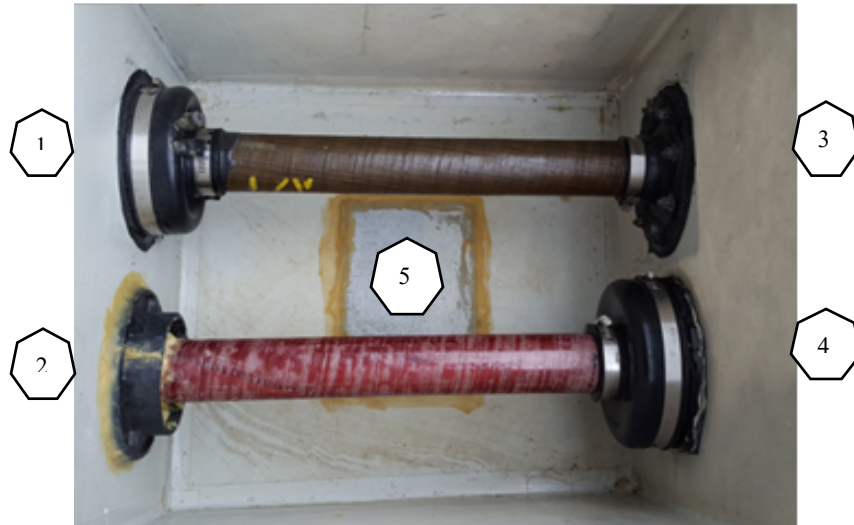
The sample coupons were sized to fit the chamber mounts approximately 2” x 3” and outer boots with UV inhibitors were tested and all passed the E-Gamma color retention, glossy retention and visual inspection tests. Therefore, the sump configurations to allow testing of all the ICON (TM) fitting types into both sumps is as follows.

The sump configurations to allow testing of all the ICON (TM) fitting types into both sumps is as follows.

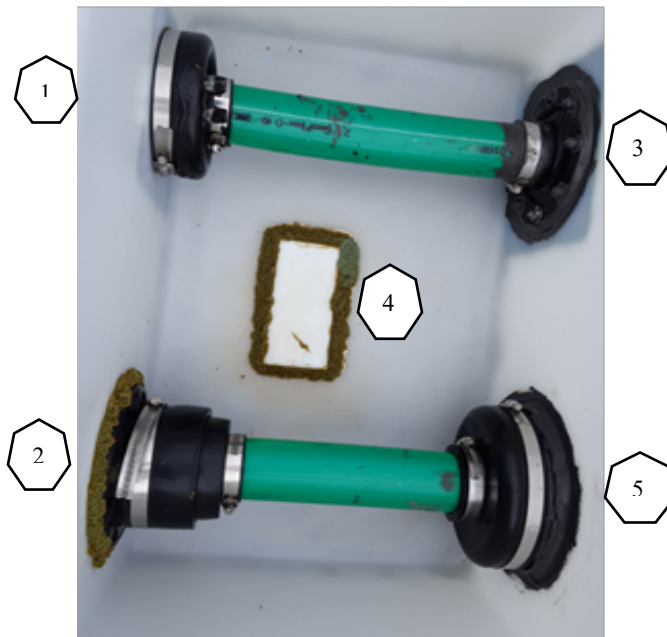
1. HDPE Representative Sump Configuration (1 sump for “Gas/E-85”, and 1 sump for “Diesel/Bio-Diesel”)
 - Icon SplitRepair Reducer/Test fitting w/ flexible pipe
 - Icon SplitRepair Flange fitting with flexible pipe
 - Icon SplitRepair Encapsulation fitting with flexible pipe
 - Icon SplitRepair Rigid fitting with Icon PolyFuse bonder & flexible pipe
 - Icon PolyFuse bonder floor crack repair patch
2. Fiberglass Representative Sump Configuration (1 sump for “Gas/E-85”, and 1 sump for “Diesel/Bio-Diesel”)
 - Icon SplitRepair Reducer/Test with fiberglass pipe
 - Icon SplitRepair Flange fitting with fiberglass pipe
 - Icon SplitRepair Encapsulation fitting with fiberglass pipe
 - Icon SplitRepair Rigid fitting with Icon iBond & fiberglass pipe
 - Icon iBond bonder floor crack repair patch
 - Icon PolyFuse bonder attachment of HDPE material to fiberglass sump
 - Icon FastFix fiberglass patch repair for holes/damage

5.0 PHOTOS

PRODUCTS BEING TESTED before CHEMICAL TESTING



FIBERGLASS SUMP #1



POLY SUMP #2

Fitting Identification

- 1) Icon SplitRepair Encapsulation Fitting
- 2) Icon SplitRepair Rigid Fitting & Reducer/Test Fitting
- 3) Icon SplitRepair Flange Fitting
- 4) Icon Sump Structural Repair – Icon PolyFuse
- 5) Icon SplitRepair Reducer/Test Fitting

POST 90-DAY CHEMICAL COMPATIBILITY RESULTS

The repair systems in the Fiberglass tank show no signs of degradation from the gasoline.

Fittings were soaked at shallow and steep angles and the sumps were flipped ½ way through the testing to present every fitting with a vapor / liquid equilibrium dynamic as it is seen in a real-world exposure.



Photo #3

The poly tank holding the gasoline shows severe degradation of the 2-part adhesive. Both liquid and vapor phase contacted surfaces blistered and caused the adhesive to fall away from the bond. Only a wet spot without a full falling drop developed on only the poly tub.



Photo # 4

The fiberglass sump and Icon iBond bonding system resisted all species of fuels without degradation.



Photo # 5

The diesel tank only shows a slight discoloration of the same adhesive.

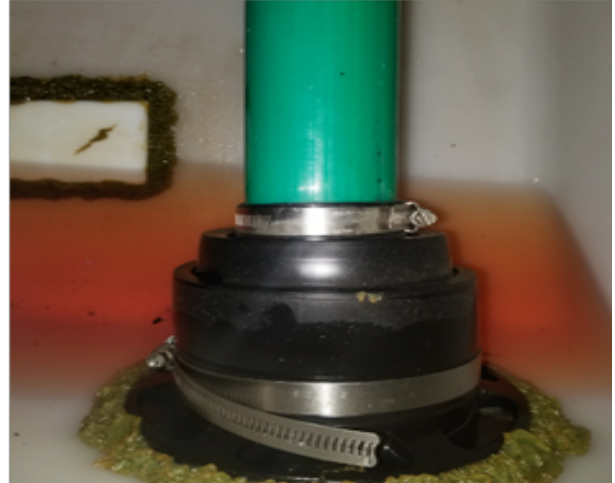


Photo # 6

Likewise, the Fiberglass sump shows no signs of system integrity compromise on any components.



Photo # 7

The loose outer boot sample was tested in the advanced weathering station and showed no deviation of gamma and no chalking or discoloration. UV is of less concern in a closed sump.



Photo # 8

FINAL DESTRUCTIVE TEST

The final “destructive test” was performed on all fitting systems to ensure no hidden leaks or degradation was found. All joint/connection sample points passed.

Icon SplitRepair Encapsulation Fitting
Photo #9

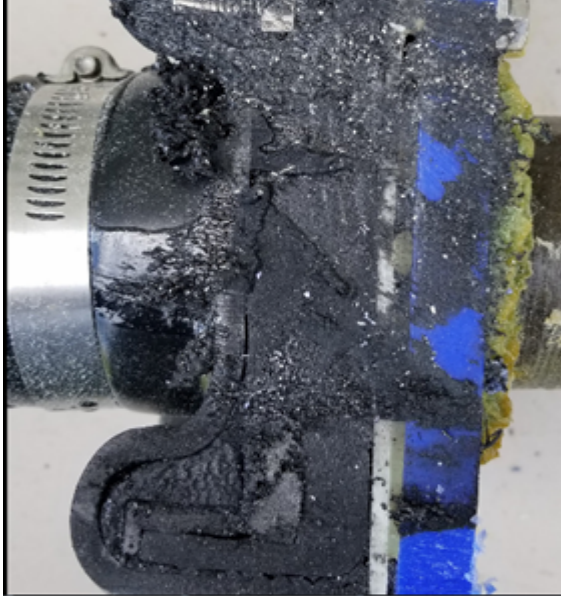


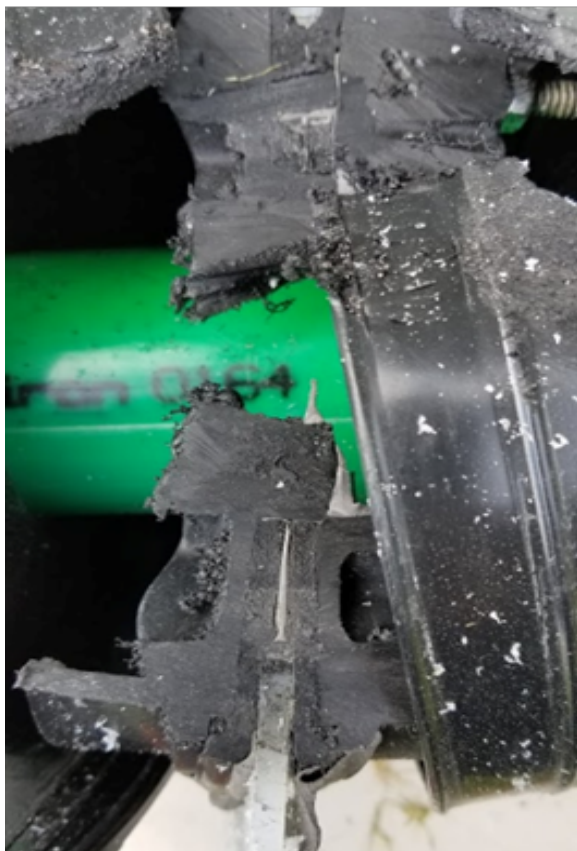
Photo #11



Icon SplitRepair Rigid Bonded Fitting
Photo #10



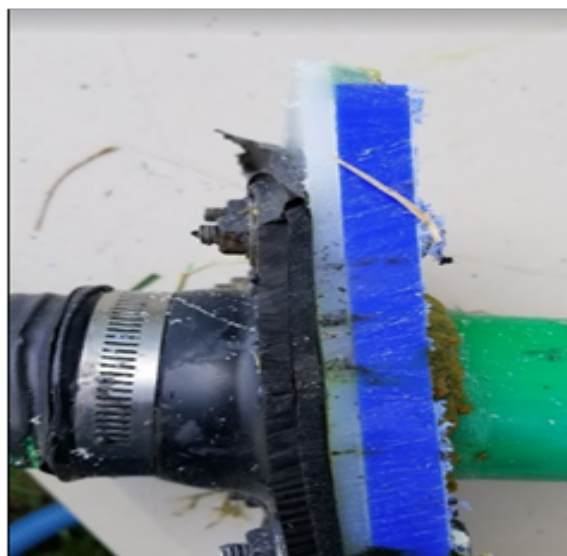
Poly Tube & Pipe Split Repair with
Encapsulation
Photo #13



Split Repair Rigid Fittings
Photo #14



Fiberglass Sump Structure Repair
Photo #16



Reducer and Test Reducer
Photo # 15



Polyethylene Sump Structure Repair
Photo #17



Poly Sump w/Reducer and Test Fittings
Photo #18



Poly Sump with Icon SplitRepair
Reducer/Test Fitting & Flexible Pipe

Photo #19



6.0 CONCLUSIONS

The ICON sump repair family of products, namely, ‘SplitRepair Fittings’ and ‘Structural Bonding’ systems are intended for field applied repair of compromised sumps. The actual sump testing post repair is a less stringent test using water head or pressure to verify a satisfactory sump repair.

The ASTM/UL testing of the sump systems were subjected to an intense program of multi-variable abuse conditions impressed upon the repair systems. Eryou Engineering has concluded by first person evidence that the Icon repair systems resist the chemical attack the ASTM/UL test requirements subject the samples to and still maintain their purpose and duty cycle for maintaining sump integrity

As such, the ICON repairs perform as functional containment systems to prevent unintended fuel migration. It should be noted the testing requirements subjects the sump repair systems to a finite contact time which is beyond the expected field exposure duty of original or repaired sumps. Any sump system left in a state of constant fuel contact is not guaranteed to or required to indefinitely contain fuel and resist a chemical attack.

Pursuant to the post 90-day chemical compatibility testing, the repair systems in the fiberglass tank show no signs of degradation from the gasoline as referenced in Photo 3. However, as detailed in Photo 4, the poly tank holding the gasoline showed severe degradation of the 2-part adhesive. Both liquid and vapor phase contacted surfaces blistered and caused the adhesive to fall away from the bond. Two new polyethylene mock tank/sumps were recreated and a supplemental PolyFuse testing setup was performed. The second trial runs of these sumps containing all representative repair/sealing systems was subjected to the same tests and trials. The degradation of the outer layer showed only slightly less fuel absorption, sloughing off and discoloration. This time no penetration or capillary action brought fuel to the “outside” of the repair interface. It is concluded after destructive cutaway evaluation of both systems and that the following can be confidently stated relating to the Poly-Fuse bonding system applied to Polyethylene sumps:

- 1) Icon PolyFuse structural bonder subjected to the vast array of motor fuels, especially light molecular weight fractions, will absorb and swell. The severity of this phenomenon is proportional to exposed surface area, and the less bonding agent is used for the compressed bonding interface, the longer the bond will resist full penetration.
- 2) Icon PolyFuse reagent storage conditions, lot freshness, and application technique must follow the manufacturer’s recommended installation guidelines in order to achieve maximum bond and chemical resistance.
- 3) Polyethylene sump surface prep including degreasing and surface roughness are critical factors in ensuring a satisfactory long-lasting bond.

- 4) Although the ASTM specified test calls for 100°F sump conditions and well over 1-month soak time; even that set of environmental conditions within the test sump, contained the fuel. Therefore, any typical product application scenario that calls upon the Icon solution to perform reliably and serve its purpose; will do so within the day, week or month time frame before a leak is discovered.

The final “destructive test” was performed on all fitting systems to ensure no hidden leaks or degradation was found, accordingly as depicted in photos 9 through 18, all joint/connection sample points passed.



ICON

CONTAINMENT SOLUTIONS

SIMPLE ▪ PROVEN ▪ PERMANENT

SECONDARY CONTAINMENT SUMP REPAIR

icontainment.com

+1 855.379.7867



“Repair solutions for leaking sumps and chambers.”

Our Company

From our beginning, Icon's mission has been to develop, supply, and support the most simple, proven, and permanent repair solutions for secondary containment sump leak issues in the fuel storage marketplace. Our current lineup of independently tested products and materials have been proven highly effective. They also comply with all regulatory and environmental requirements for compatibility to all current fuel designs. The durability of our materials exceeds that of the original materials being repaired.

SIMPLE • PROVEN • PERMANENT

We have significant experience installing our products directly, and we're the only manufacturer in our industry that is exclusively focused on sump leak repair solutions. Let us share our expertise and understanding with you to help make your repair project successful. The advantages in repair include much lower cost, less disruption, fewer unknown issues to address, and faster completion than expensive replacement projects. Ultimately, if it is repairable, and it almost always is, Icon will have the correct solution for any configuration of existing equipment.



ICON
CONTAINMENT SOLUTIONS



SPLITREPAIR

SNAPLOCK™ Fittings

PROTEX™ Compression Fittings

- Proprietary PROTEX™ material specifically designed for petroleum sump compatibility; non rubber/ non urethane
- Independently tested to exceed industry standards, all fuels compatible
- Proven designs and sizes for any configuration or combination of existing sump, fittings, and pipe equipment
- Permanently split-bonded in the widest range of ambient conditions of any comparable repair applications available
- Lifetime Warranty





SPLITREPAIR

Test Fittings and Line Kits

- Test and reducer fittings available for any size and transition of piping and in standard split or non-split design
- Both open barb and Schrader valve options are available for double-wall piping
- Install and test immediately after split-bonding cure
- “Jumper” and other line-test kits for secondary pipe integrity testing are “Plug and Play”; pre-assembled and ready for use or customizable
- Line-test kits are compatible with all test fitting designs
- Cost effective, durable, and permanent materials
- Lifetime Warranty





SPLITREPAIR

Rigid Bonded Fittings

- Highly durable materials specific for rigid pipe and sump equipment combination
- Bonds permanently to fiberglass, steel, and concrete surfaces
- Independently tested to exceed industry standards, all fuels compatible
- No clamps. Simple and quick installation process
- Innovative, low-profile design and very cost effective
- Permanently split-bonded in the widest range of ambient conditions of any comparable repair application available
- Lifetime Warranty



EASYFIT®

Watertight Sump Lid

- Absolutely watertight and low-profile design to fit in almost all existing conditions
- Installed within the existing manhole cover, frame, and skirt
- Permanently bonded attachment to existing top of any manufactured design sump
- Effective for both HDPE plastic and fiberglass chamber materials
- Stainless steel Cam-Lock attachment with embedded gasket for tight mechanical seal
- Strong, durable, and light weight fiberglass material for easy removal
- May be adapted to the shape, design and size of the existing sump
- Five (5) year warranty





FASTFOAM WETWELD

Waterblock Solutions

- Instantly stops active water leaks to provide a temporary block that allows for a permanent repair to follow
- Applied from inside the sump directly to the fitting, crack, hole, or seam leak
- Inexpensive and effective spot treatment of water intrusion
- Can also be used as a filler for voids at repair



Available in 50mL
and 600mL cartridges



FASTFIX

Structural Repair Patch

- Permanent bonding to HDPE plastic surfaces and in transition between fiberglass and HDPE
- Excellent for repair over holes, cracks, and other damage to sump structures
- Easy peel and stick application with consistent quality in thickness and durability
- UV activated, fast curing for testing in as little as 30 minutes
- Independently tested and all fuels compatible
- Consider repair before expensive sump replacement



IBOND

Structural Bonder

- Permanent bonding to fiberglass, concrete, and steel surfaces
- Excellent for leak repair of minor cracks, holes, seams, and rigid fittings
- Retains some elasticity to absorb kinetic energy of the micro-movement typical in sumps
- Extremely fast cure time and can be applied in any ambient temperature above freezing
- Consider repair before expensive sump replacement



Available in 50mL
and 400mL cartridges,
1:1 ratio

POLYFUSE

Structural Bonder

- Permanent bonding to HDPE plastic surfaces and in transition between fiberglass and HDPE
- Excellent for leak repair of minor cracks, holes, and seams
- Remains flexible like the HDPE material, no delamination
- Sufficiently cured for testing in as little as six hours
- Technical support for training available for all applications



Available in 50mL
cartridges, 10:1 ratio

**ICON CONTAINMENT
SOLUTIONS**

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Woods Cross, UT 84087
USA

info@iconcontainment.com
www.iconcontainment.com
+1 855.DRY.SUMP
+1 855.379.7867



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: January 2017

Incorporated in Rule 62-761.850, F.A.C.

Storage Tank Equipment Registration Form

Fill out completely

General Information

Company Name: Icon Containment Solutions, LLC

Contact Name: Paul Reber

Company Address: 905 N. Main St., D1

City: North Salt Lake, Utah

Zip: 87054

E-mail: paul@iconcontainment.com

Contact Number: 855.379.7867

Product Name: Secondary Containment Sump Leak Repair

Model Number(s): See Attached Catalog

Product Type: SplitRepair Fittings & Structural Repair Bonders

Rule(s) citation within Chapter 62-761, or 62-762, F.A.C. that registration is being requested: _____

For both UST & AST systems - Chapter 62-761 and 62-762

Write a brief description of equipment registration request including product limitations:

The referenced product applications are specifically for the repair of existing poly, fiberglass, steel, or concrete containment sumps entry and test fittings; and for the repair of any minor structural leak issue with the containment (crack, seam, and hole leaks). Although not required for compatibility, a retrofit watertight sump lid is also offered to prevent surface water from entering into the containment where applicable. All other materials are incidental to these major applications.

Information Checklist

	Yes	No	N/A
1. Third-party Certification by a Nationally Recognized Testing Laboratory?	☒	☐	☐
2. Documentation of third-party evaluation that the equipment meets DEP Rules?	☒	☐	☐
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?	☒	☐	☐
4. Installation instructions included?	☒	☐	☐
5. Technical information and drawings included?	☒	☐	☐
6. Annual Operability Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702 F.A.C.)?	☐	☐	☒
7. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?	☒	☐	☐
8. Has the product been approved or registered in other countries or states? (If so provide list)	☒	☐	☐
9. Any requirements for company-certified installers or trainers?	☒	☐	☐
10. Was this product(s) previously approved or registered by the Department?	☒	☐	☐
If yes, please specify the Equipment Number: <u>EQ- 806</u>			
	☐	☐	☐
11. Any changes or modifications to the equipment since the last submittal to DEP?	☒	☐	☐

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@dep.state.fl.us, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

Existing degraded or otherwise leaking fittings of every manufacture inside of AST/UST containment sumps are repaired/replaced as applicable with Icon SplitRepair fittings (bonded or compression seal). This process has been proven effective for many years, is significantly less disruptive and costly to the AST/UST owner, and with improved materials, the repair should last through the end-life of the containment sump. Additionally, "minor" damage to the existing sump structure (crack, seam, and hole) is permanently repaired with Icon structural bonder specific to the damage and material design of the containment sump.

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Paul Reber, National Sales & Technical Support Manager

Printed Name and Title

Pauls-MacBook-Air.local

Signature

Digitally signed by Pauls-MacBook-Air.local
Date: 2018.05.07 09:25:00 -06'00'

4/23/18

Date

For Department Use Only:

Date Application Received: 5/9/2018 Renew by 10/4/2023 (upd

Application complete:

Yes: ☒ No: ☐

EQ- 896

Date of complete or incomplete letter sent: 5/10/2018

Date of entry to the DEP Equipment Registration List: 5/10/2018

N. D. Eryou, PhD, PE
Consulting Engineer

Southwest Florida Office
5051 Castello Drive, Suite
244
Naples, FL 34103

Central Florida Office
1460 Breezy Way
Spring Hill, FL 34608
(For all shipments)

Phone: (352) 684-7275 Fax: (800) 660-6724
Email: alex@eryouengineering.com

NOTICE OF COMPLETION OF THIRD-PARTY UL 2447 EVALUATION

July 31, 2018

Mr. Paul Reber
Icon Containment Solutions
905 North Main Street
Suite D1
North Salt Lake, UT 84054

Dear Mr. Reber:

Reference Number: ICS07312018

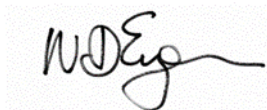
UL 2447 "Outline of Investigation for Containment Sumps, Fittings and Accessories for Fuels"

Products Evaluated: Icon SplitRepair Sump Penetration and Test Reducer Fittings
Sump Damage Repair (cracking, holes, seam leaks).

Our UL 2447 Third-Party Certification inspection and testing process of your products listed above has been completed and they were determined to comply with the above listed requirements.

While the products tested met the UL 2447 requirements, you should be aware that UL has the exclusive right to allow your firm to apply the UL label to your products as their labeling program includes an extensive ongoing UL quality control program.

Respectfully,

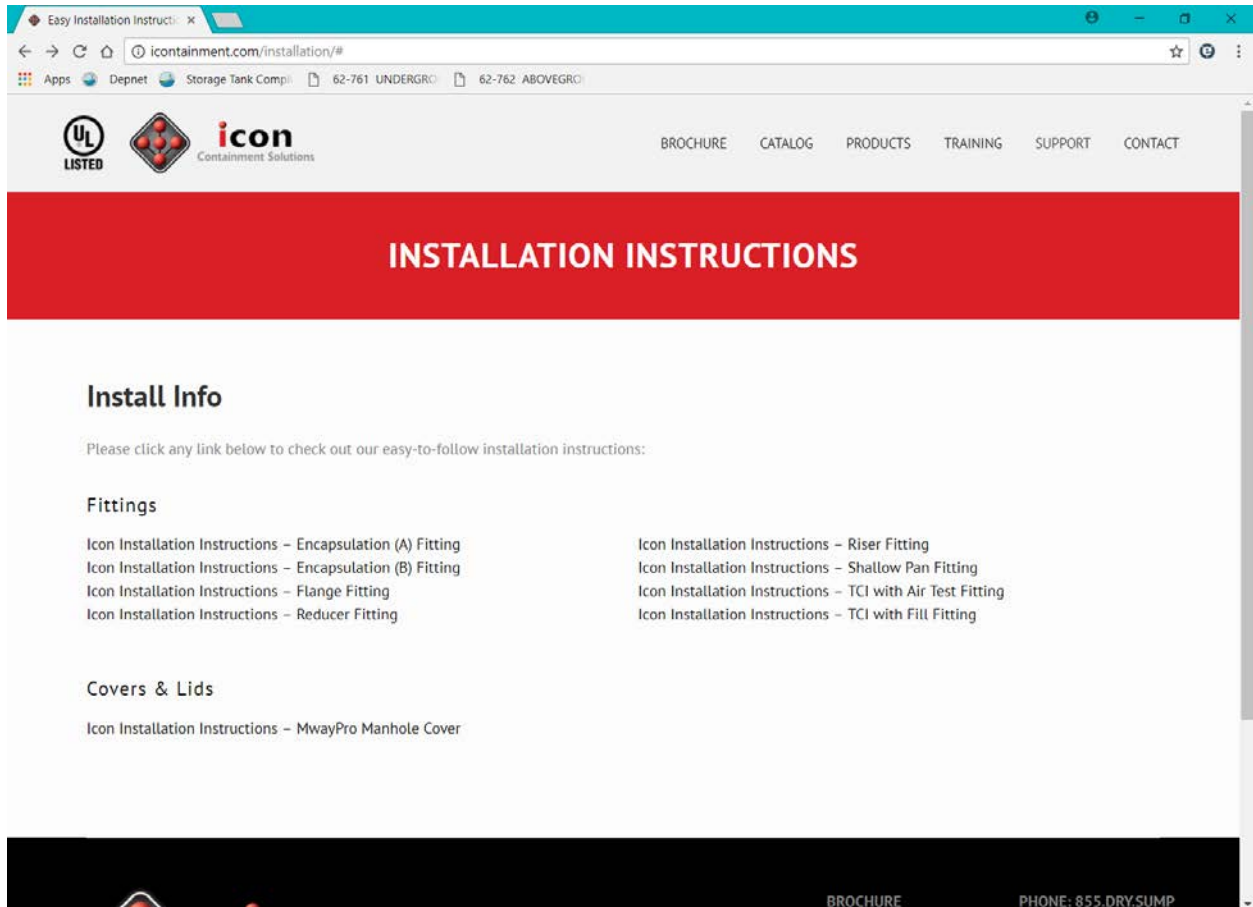


N.D. Eryou, PhD, P.E.

ICON – UL 2447 Evaluation 082218

ICON CONTAINMENT SOLUTIONS

[INSTALLATION INSTRUCTIONS](#)



The screenshot shows a web browser window with the URL iconcontainment.com/installation/#. The browser's address bar and tabs are visible at the top. Below the browser window, the website's header features the UL LISTED logo, the Icon Containment Solutions logo, and a navigation menu with links for BROCHURE, CATALOG, PRODUCTS, TRAINING, SUPPORT, and CONTACT. A large red banner with the text "INSTALLATION INSTRUCTIONS" is positioned below the header. The main content area has a white background and includes a section titled "Install Info" with a sub-header "Install Info". Below this, a paragraph states: "Please click any link below to check out our easy-to-follow installation instructions:". A section titled "Fittings" follows, containing two columns of links. The first column lists: "Icon Installation Instructions – Encapsulation (A) Fitting", "Icon Installation Instructions – Encapsulation (B) Fitting", "Icon Installation Instructions – Flange Fitting", and "Icon Installation Instructions – Reducer Fitting". The second column lists: "Icon Installation Instructions – Riser Fitting", "Icon Installation Instructions – Shallow Pan Fitting", "Icon Installation Instructions – TCI with Air Test Fitting", and "Icon Installation Instructions – TCI with Fill Fitting". Below the "Fittings" section is a section titled "Covers & Lids" with a single link: "Icon Installation Instructions – MwayPro Manhole Cover". At the bottom of the page, a dark blue footer contains the text "BROCHURE" and "PHONE: 855.DRY.SUMP".

Easy Installation Instructi: x

iconcontainment.com/installation/#

Apps Depnet Storage Tank Compli 62-761 UNDERGR 62-762 ABOVEGR

UL LISTED icon Containment Solutions

BROCHURE CATALOG PRODUCTS TRAINING SUPPORT CONTACT

INSTALLATION INSTRUCTIONS

Install Info

Please click any link below to check out our easy-to-follow installation instructions:

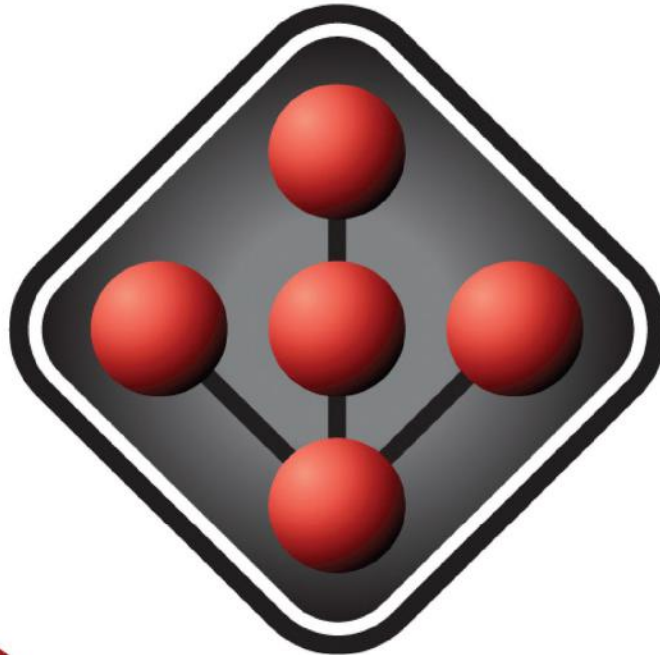
Fittings

- Icon Installation Instructions – Encapsulation (A) Fitting
- Icon Installation Instructions – Encapsulation (B) Fitting
- Icon Installation Instructions – Flange Fitting
- Icon Installation Instructions – Reducer Fitting
- Icon Installation Instructions – Riser Fitting
- Icon Installation Instructions – Shallow Pan Fitting
- Icon Installation Instructions – TCI with Air Test Fitting
- Icon Installation Instructions – TCI with Fill Fitting

Covers & Lids

- Icon Installation Instructions – MwayPro Manhole Cover

BROCHURE PHONE: 855.DRY.SUMP



icon

Containment Solutions

*The World's Leading UST and AST
Containment Leak Repair Products*



Highly effective and lasting solutions for spill containment, tank, transition, and dispenser sump leaks in UST / AST systems.

Watertight covers and sump lids for surface water leaks

(See pg. 3)

SplitRepair fittings for leaking fittings of all types

(See pg. 4-6)



Structural repair for sump cracks, holes, and seam leaks

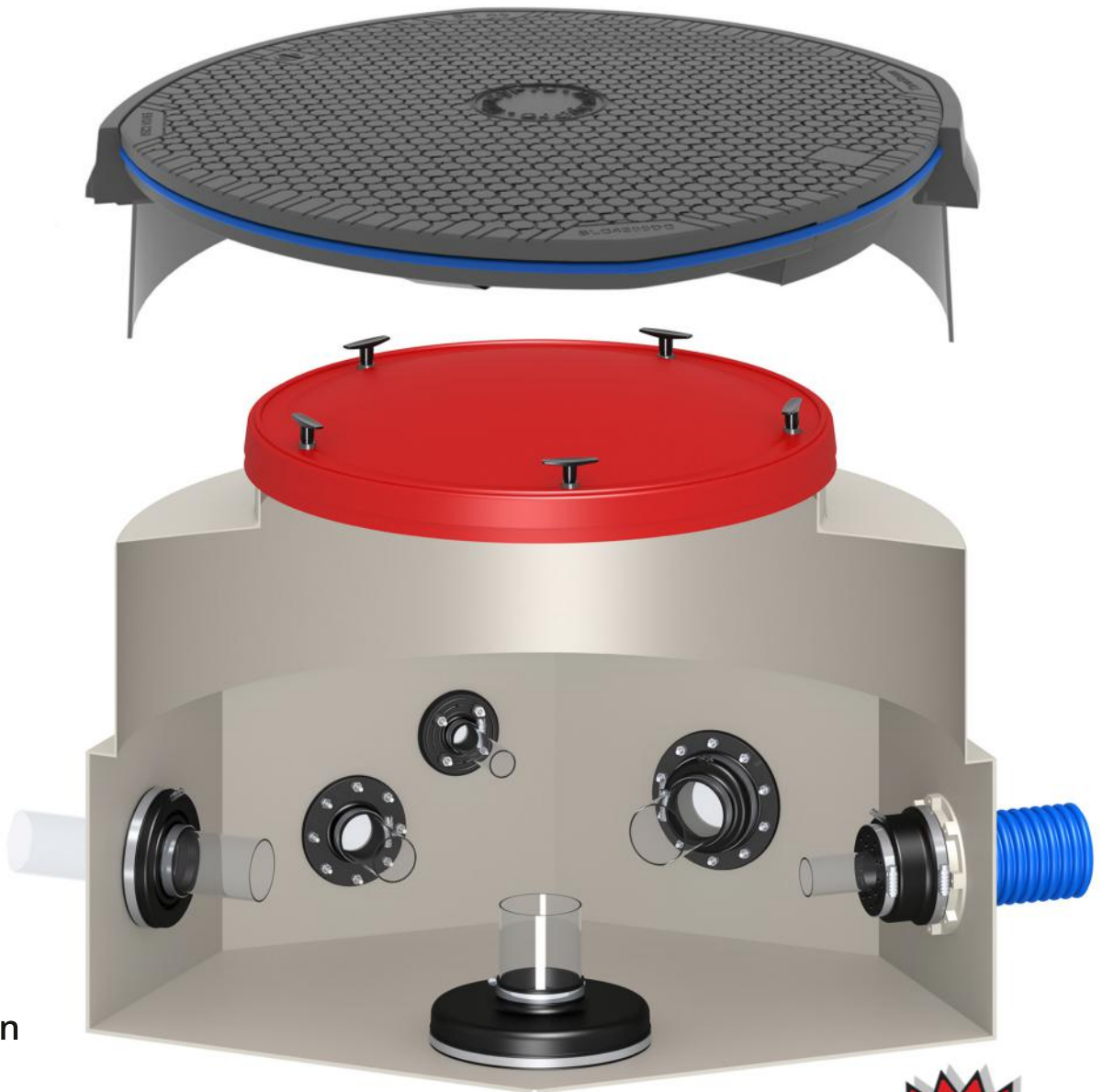
(See pg. 6-7)

Instant water blocking for active water intrusion

(See pg. 8)

Corrosion prevention for STP and other equipment

(See pg. 8)



See product videos on our website





- Truly watertight, structurally advanced composite design
- All non-corrosive & non-conductive materials
- Best in class anti-slip and anti-skid surface
- EN124-D400/C250, H20/25 load ratings compliant
- 42", 36", 30", and 24" clear openings, round design
- Extremely low-maintenance
- Easy installation and removal
- Industry first **15-year warranty!**



EasyFit Sump Lid

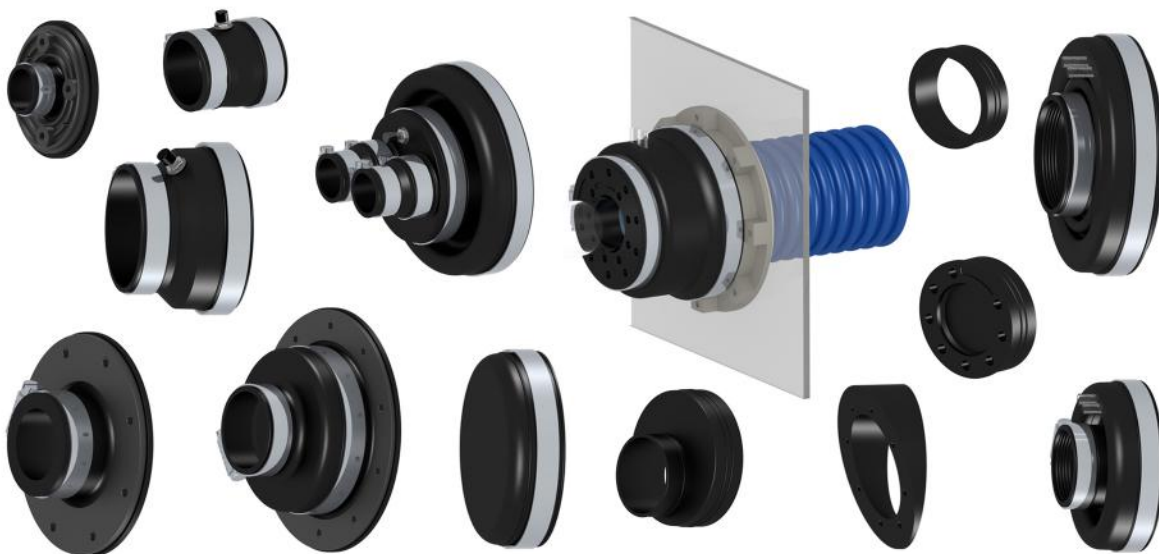


- Low-profile, truly watertight design fits into limited space
- Bonded attachment to any existing sump top
- Works for all manufactured sumps in poly or fiberglass
- Cam-Lock lid-attachment for easy removal and sure seal
- Strong and lightweight fiberglass design
- Replaces lids in sizes from 24" to 36" and larger
- Covered under a **5-year warranty!**





SplitRepair Compression Fittings



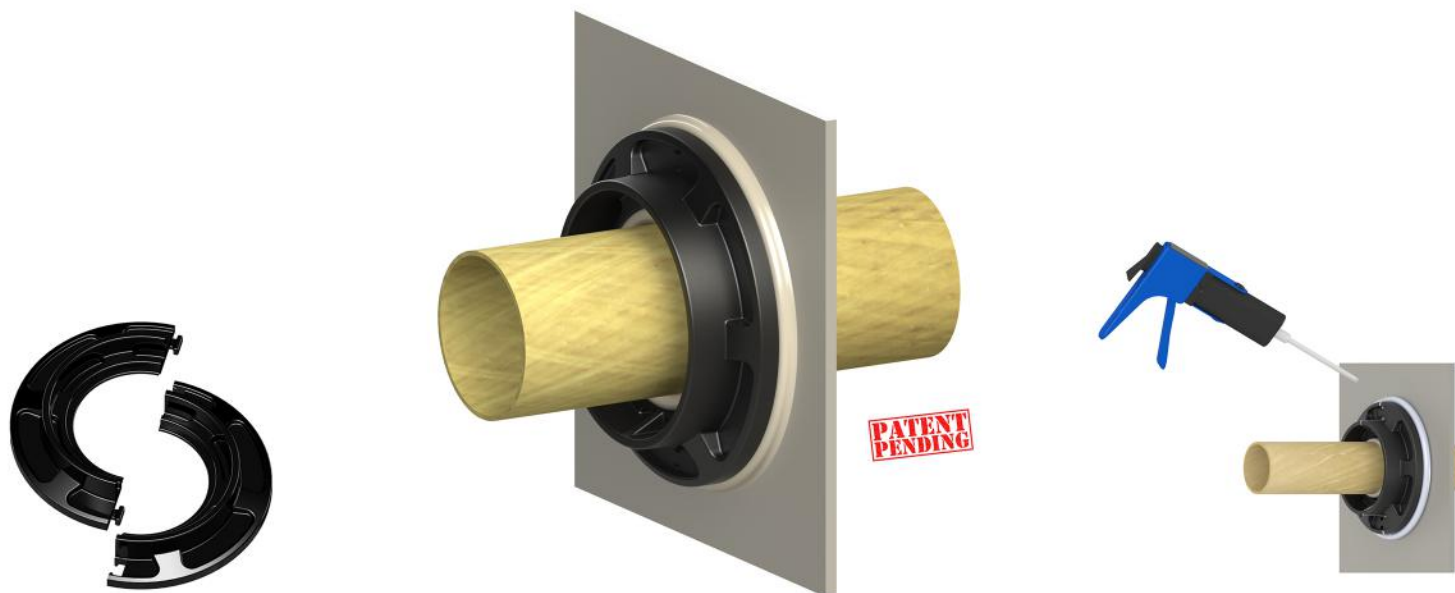
Icon ProTex material (non-urethane), flexible design compression seal fittings will last through the end-life of the sump!

- UL Listed materials and application, compatible with all fuels
- Effective on all manufactured designs of sump entry fitting, pipe, and sump combinations
- No disconnection of sump entry pipe or excavation required generally





SplitRepair Bonded Fittings



- Permanently bonded to FRP, HDPE, concrete, and steel sump and pipe surfaces
- Dispensed bonders with split, rigid fitting components require no pipe disconnection
- Innovative design for easier bonding and a more simple and clean installation
- Overall, much easier, faster, and lower-cost installation than our competitors
- All fuels compatible; third-party tested materials
- Material warranty through the end life of the sump!





SplitRepair Test Fittings & Secondary Line Testing Kits



- Pre-assembled and ready for use
- Standard kits and custom configurations available
- Cost competitive, high quality, durable materials
- SplitRepair test fittings for all pipe mfr. and sizes
- Install and start testing in 60 minutes

FastFix Patch



- 15 minute, UV-cured fiberglass patch kit
- Permanent repair over holes, leaks, or other damage
- Easy peel and stick application
- All fuels compatible; third-party tested
- 2,200 psi bonded strength after cure
- Consistent quality and thickness



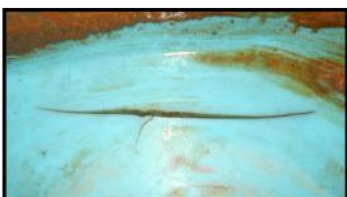


iBond Structural Bonder



- Permanent bonding to FRP, concrete, and steel surfaces
- Dispensed, not hand-mixed, for easier and cleaner placement
- Completely cures in as little as 15 minutes, and ready for testing
- All fuels compatible; third-party tested
- Consider repair before expensive sump replacement

PolyFuse Structural Bonder



- Permanent bonding to HDPE surfaces
- Dispensed, not hand-mixed, for easier and cleaner placement
- Excellent for repair of minor crack, seam leak, and damage to poly sumps and spill containment
- Direct technical support and training available for all applications
- Sufficiently cured for testing in as little as 6 hours, depending upon conditions



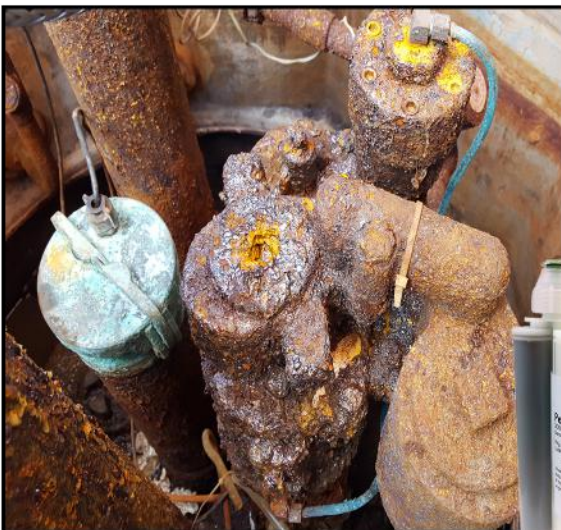


FastFoam & WetWeld Instant Water Blocking



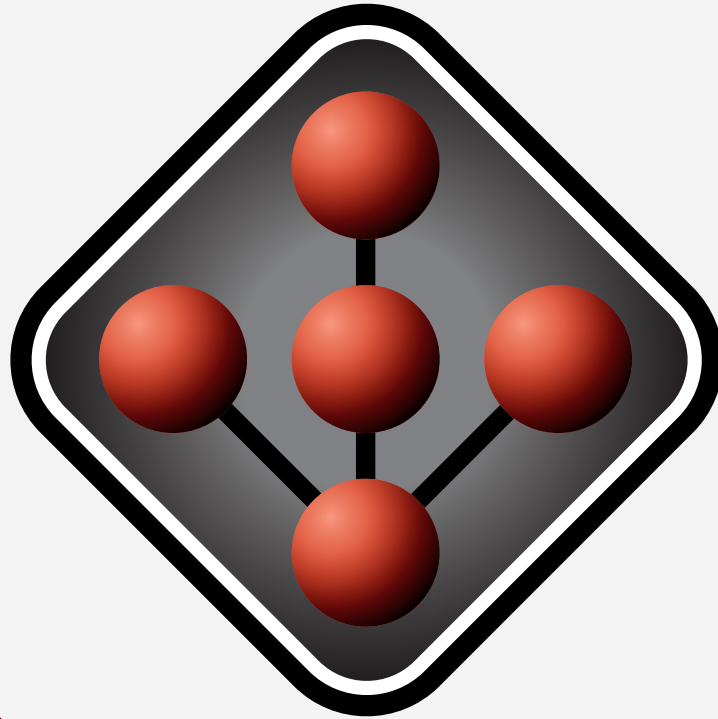
- Stops active water leaks in seconds for a temporary block that allows for a permanent repair to be made
- Applied from inside the sump directly into the leak
- May eliminate the need to pump down the water table
- Inexpensive spot treatment

PetrolSeal Corrosion Preventing Sealant



- Protects and seals STP and other metal components from premature and costly corrosion
- Low-cost and simple solution with long-term effectiveness
- Extend the life of your expensive sump equipment





icon

Containment Solutions

Price Catalog 2017



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Icon Introduction

Icon's mission from our beginning over 6 years ago has been to develop and supply the most durable, effective, and simple to apply leak solutions for the fuel storage market's secondary containment sumps (tank, dispenser, transition), spill containment, and spill basins in UST and AST applications. We are accomplishing that goal with the current line-up of 3rd party and field-tested products found in this catalog.

As the only manufacturer in our industry exclusively focused on leak repair and testing product supply, we also understand that in many respects we are a service provider. Icon provides free technical support services to any party involved in leak repair projects. We understand how challenging some of these projects can be. It's a huge advantage to be able to repair leaks within the existing structure without disconnecting pipe, excavating, or replacing sump equipment. The significantly lower costs, less disruption to operations, and faster solution are great for the site owner. The technicians involved sometimes need support to sort out what is needed and how specifically to install certain solutions. The following free Icon services can help.

Technical Support

- **Parts Specification** – Many repair projects require solutions that are not conventional in addressing proximity, angled/off-set pipe entry, active water intrusion, and other issues. Regardless of the circumstances, we can help with a free parts specification service. Simply take pictures of the fittings or other issues, and provide us with pipe and other information and email it to techsupport@iconcontainment.com. Usually, the same day or within 24 hours for most inquiries, you'll have a complete list of parts and materials specific to that project emailed in return. Additionally, as applicable, you may receive special instruction and tips for the that repair.
- **Certified Installer Training** – Most every Thursday morning, Icon holds a live WebEx training session that covers the basics of all leak repair product applications. This training also teaches how to get all other technical support from Icon directly. All of our training and support is manufacturer direct.
- **Field Support** – Please call us and request a technical support representative if you are in the field and have questions about any product application. We're ready to help.
- **Field Certification Training** – We are often available to train in the field for some repair programs. Inquire about our schedule and availability if you have projects that might qualify for this support. Some travel costs may be applicable.

Product Ordering

Keep in mind that there is no minimum quantity on orders for any of the products in this catalog, and most orders are shipped the same day they are received. Send all PO's and order status questions to orders@iconcontainment.com. If you have specific shipping requirements, please let us know on the front end of any order. Its always a good idea to check availability if delivery is time sensitive.





SplitRepair Encapsulation Fitting Kits - Medium

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Encapsulation fittings completely seal over the existing fitting design and are usually filled with a secondary fast-setting, fuel-compatible sealant.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF M2.0LP

Product Number	Product Description	Price
IRF M1.4LP	Icon SplitRepair Encapsulation Fitting Kit for 1.4" & 1.0" OD Pipe, Flat Surface, 5-Bolt, Low Profile	\$149
IRF MC1.4LP	Icon SplitRepair Encapsulation Fitting Kit for 1.4" & 1.0" OD Pipe, Curved Surface, 5-Bolt, Low Profile	\$149
IRF M1.6LP	Icon SplitRepair Encapsulation Fitting Kit for 1.6" & 1.25" OD Pipe, Flat Surface, 5-Bolt, Low Profile	\$149
IRF MC1.6LP	Icon SplitRepair Encapsulation Fitting Kit for 1.6" & 1.25" OD Pipe, Curved Surface, 5-Bolt, Low Profile	\$149
IRF M2.0LP	Icon SplitRepair Encapsulation Fitting Kit for 2.0" OD Pipe, Flat Surface, 5-Bolt, Low Profile	\$149
IRF MC2.0LP	Icon SplitRepair Encapsulation Fitting Kit for 2.0" OD Pipe, Curved Surface, 5-Bolt, Low Profile	\$149
IRF M2.2LP	Icon SplitRepair Encapsulation Fitting Kit for 2.2" OD Pipe, Flat Surface, 5-Bolt, Low Profile	\$149
IRF MC2.2LP	Icon SplitRepair Encapsulation Fitting Kit for 2.2" OD Pipe, Curved Surface, 5-Bolt, Low Profile	\$149
IRF M2.5LP	Icon SplitRepair Encapsulation Fitting Kit for 2.5" OD Pipe, Flat Surface, 5-Bolt, Low Profile	\$149
IRF MC2.5LP	Icon SplitRepair Encapsulation Fitting Kit for 2.5" OD Pipe, Curved Surface, 5-Bolt, Low Profile	\$149
IRF M2.7LP	Icon SplitRepair Encapsulation Fitting Kit for 2.7" OD Pipe, Flat Surface, 5-Bolt, Low Profile	\$149
IRF MC2.7LP	Icon SplitRepair Encapsulation Fitting Kit for 2.7" OD Pipe, Curved Surface, 5-Bolt, Low Profile	\$149
IRF M3.0LP	Icon SplitRepair Encapsulation Fitting Kit for 3.0" OD Pipe, Flat Surface, 5-Bolt, Low Profile	\$149
IRF MC3.0LP	Icon SplitRepair Encapsulation Fitting Kit for 3.0" OD Pipe, Curved Surface, 5-Bolt, Low Profile	\$149
IRF M4.6x(Spec)	Icon SplitRepair Encapsulation Fitting Kit for 4.6" x Spec'd OD Pipe, Flat Surface, 5-Bolt	\$193
IRF MC4.6x(Spec)	Icon SplitRepair Encapsulation Fitting Kit for 4.6" x Spec'd OD Pipe, Curved Surface, 5-Bolt	\$193
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10
IAC FastFill	Icon FastFill Rapid-Setting Fitting Filler, 20oz Cartridge	\$79
IAC MGun20	Manual Dispensing Gun for 20oz Cartridge	\$137

Notes

Volume for referenced material use with fittings on this page is as follows:

FastFuse - 1 can per 6 fittings; Sikaflex - 1 tube per 6 fittings; and FastFill - .75 cartridge per fitting





SplitRepair Encapsulation Fitting Kits - Large

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Encapsulation designed fittings completely seal over the existing fitting design and are usually filled with a secondary fast-setting, fuel-compatible sealant.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF L2.5LP

Product Number	Product Description	Price
IRF L2.0LP	Icon SplitRepair Encapsulation Fitting Kit for 2.0" OD Pipe, Flat Surface, 8-Bolt, Low Profile	\$193
IRF LC2.0LP	Icon SplitRepair Encapsulation Fitting Kit for 2.0" OD Pipe, Curved Surface, 8-Bolt, Low Profile	\$193
IRF L2.2LP	Icon SplitRepair Encapsulation Fitting Kit for 2.2" OD Pipe, Flat Surface, 8-Bolt, Low Profile	\$193
IRF LC2.2LP	Icon SplitRepair Encapsulation Fitting Kit for 2.2" OD Pipe, Curved Surface, 8-Bolt, Low Profile	\$193
IRF L2.5LP	Icon SplitRepair Encapsulation Fitting Kit for 2.5" OD Pipe, Flat Surface, 8-Bolt, Low Profile	\$193
IRF LC2.5LP	Icon SplitRepair Encapsulation Fitting Kit for 2.5" OD Pipe, Curved Surface, 8-Bolt, Low Profile	\$193
IRF L2.7LP	Icon SplitRepair Encapsulation Fitting Kit for 2.7" OD Pipe, Flat Surface, 8-Bolt, Low Profile	\$193
IRF LC2.7LP	Icon SplitRepair Encapsulation Fitting Kit for 2.7" OD Pipe, Curved Surface, 8-Bolt, Low Profile	\$193
IRF L3.0LP	Icon SplitRepair Encapsulation Fitting Kit for 3.0" OD Pipe, Flat Surface, 8-Bolt, Low Profile	\$193
IRF LC3.0LP	Icon SplitRepair Encapsulation Fitting Kit for 3.0" OD Pipe, Curved Surface, 8-Bolt, Low Profile	\$193
IRF L3.5LP	Icon SplitRepair Encapsulation Fitting Kit for 3.5" OD Pipe, Flat Surface, 8-Bolt, Low Profile	\$193
IRF LC3.5LP	Icon SplitRepair Encapsulation Fitting Kit for 3.5" OD Pipe, Curved Surface, 8-Bolt, Low Profile	\$193
IRF L3.7LP	Icon SplitRepair Encapsulation Fitting Kit for 3.7" OD Pipe, Flat Surface, 8-Bolt, Low Profile	\$193
IRF LC3.7LP	Icon SplitRepair Encapsulation Fitting Kit for 3.7" OD Pipe, Curved Surface, 8-Bolt, Low Profile	\$193
IRF L4.5LP	Icon SplitRepair Encapsulation Fitting Kit for 4.5" OD Pipe, Flat Surface, 8-Bolt, Low Profile	\$193
IRF LC4.5LP	Icon SplitRepair Encapsulation Fitting Kit for 4.5" OD Pipe, Curved Surface, 8-Bolt, Low Profile	\$193
IRF L4.6x1.9x1.4	Icon SplitRepair Encapsulation Fitting Kit for 4.6" x 1.9" x 1.4" & 1.0" OD Pipe, Flat Surface, 8-Bolt	\$226
IRF LC4.6x1.9x1.4	Icon SplitRepair Encapsulation Fitting Kit for 4.6" x 1.9" x 1.4" & 1.0" OD Pipe, Curved Surface, 8-Bolt	\$226
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10
IAC FastFill	Icon FastFill Rapid-Setting Fitting Filler, 20oz Cartridge	\$79
IAC MGun20	Manual Dispensing Gun for 20oz Cartridge	\$137

Notes

Volume for referenced material use with fittings on this page is as follows:

FastFuse - 1 can per 4 fittings; Sikaflex - 1 tube per 4 fittings; and FastFill - 1.0-1.5 cartridges per fitting





SplitRepair Encapsulation Fitting Kits - Extra Large

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Encapsulation designed fittings completely seal over the existing fitting design and are usually filled with a secondary fast-setting, fuel-compatible sealant.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF XL3.5

Product Number	Product Description	Price
IRF XL2.5LP	Icon SplitRepair Encapsulation Fitting Kit for 2.5" OD Pipe, Flat Surface, 10-Bolt, Low Profile	\$226
IRF XLC2.5LP	Icon SplitRepair Encapsulation Fitting Kit for 2.5" OD Pipe, Curved Surface, 10-Bolt, Low Profile	\$226
IRF XL3.5LP	Icon SplitRepair Encapsulation Fitting Kit for 3.5" OD Pipe, Flat Surface, 10-Bolt, Low Profile	\$226
IRF XLC3.5LP	Icon SplitRepair Encapsulation Fitting Kit for 3.5" OD Pipe, Curved Surface, 10-Bolt, Low Profile	\$226
IRF XL3.5	Icon SplitRepair Encapsulation Fitting Kit for 3.5" OD Pipe, Flat Surface, 10-Bolt	\$226
IRF XLC3.5	Icon SplitRepair Encapsulation Fitting Kit for 3.5" OD Pipe, Curved Surface, 10-Bolt	\$226
IRF XL4.5LP	Icon SplitRepair Encapsulation Fitting Kit for 4.5" OD Pipe, Flat Surface, 10-Bolt, Low Profile	\$226
IRF XLC4.5LP	Icon SplitRepair Encapsulation Fitting Kit for 4.5" OD Pipe, Curved Surface, 10-Bolt, Low Profile	\$226
IRF XL6.3LP	Icon SplitRepair Encapsulation Fitting Kit for 4.5" OD Pipe, Flat Surface, 10-Bolt, Low Profile	\$226
IRF XLC6.3LP	Icon SplitRepair Encapsulation Fitting Kit for 4.5" OD Pipe, Curved Surface, 10-Bolt, Low Profile	\$226
IRF XL6.8x4.5	Icon SplitRepair Encapsulation Fitting Kit for 6.8" x 4.5" OD Pipe, Flat Surface, 10-Bolt	\$226
IRF XLC6.8x4.6	Icon SplitRepair Encapsulation Fitting Kit for 6.8" x 4.5" OD Pipe, Curved Surface, 10-Bolt	\$226
IRF XL6.8LP	Icon SplitRepair Encapsulation Fitting Kit for 6.8" OD Pipe, Flat Surface, 10-Bolt, Low Profile	\$226
IRF XLC6.8LP	Icon SplitRepair Encapsulation Fitting Kit for 6.8" OD Pipe, Curved Surface, 10-Bolt, Low Profile	\$226
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10
IAC FastFill	Icon FastFill Rapid-Setting Fitting Filler, 20oz Cartridge	\$79
IAC MGun20	Manual Dispensing Gun for 20oz Cartridge	\$137

Notes

Volume for referenced material use with fittings on this page is as follows:

FastFuse - 1 can per 4 fittings; Sikaflex - 1 tube per 4 fittings; and FastFill - 1-3 cartridges per fitting





SplitRepair Encapsulation Fitting Kits - XXL

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Encapsulation designed fittings completely seal over the existing fitting design and are usually filled with a secondary fast-setting, fuel-compatible sealant.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRFXXL8.8x6.8x4.5

Product Number	Product Description	Price
IRF Riser4	Icon SplitRepair Encapsulation Fitting Kit for TCI, Environ, and OPW Tank Riser Adaptors 4" Pipe	\$295
IRF XXL8.8x6.8x4.5	Icon SplitRepair Encapsulation Fitting Kit for 8.8" x 6.8" x 4.5" OD Pipe, Flat Surface, 9-Bolt	\$281
IRF XXLC8.8x6.8x4.5	Icon SplitRepair Encapsulation Fitting Kit for 8.8" x 6.8" x 4.5" OD Pipe, Curved Surface, 9-Bolt	\$281
IRF XXL8.8x6.8	Icon SplitRepair Encapsulation Fitting Kit for 8.8" x 6.8" OD Pipe, Flat Surface, 9-Bolt	\$281
IRF XXLC8.8x6.8	Icon SplitRepair Encapsulation Fitting Kit for 8.8" x 6.8" OD Pipe, Curved Surface, 9-Bolt	\$281
IRF XXL8.8	Icon SplitRepair Encapsulation Fitting Kit for 8.8" OD Pipe, Flat Surface, 9-Bolt	\$281
IRF XXLC8.8	Icon SplitRepair Encapsulation Fitting Kit for 8.8" OD Pipe, Curved Surface, 9-Bolt	\$281
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10
IAC FastFill	Icon FastFill Rapid-Setting Fitting Filler, 20oz Cartridge	\$79
IAC MGun20	Manual Dispensing Gun for 20oz Cartridge	\$137

Notes

Volume for referenced material use with fittings on this page is as follows:

FastFuse - 1 can per 4 fittings; Sikaflex - 1 tube per 4 fittings; and FastFill - 2-5 cartridges per fitting





SplitRepair Flange 4-Bolt Fitting Kits

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. SplitRepair Flange fittings are permanently bonded together with Icon FastFuse solvent. Flange 4-Bolt fittings are designed for the direct replacement of both standard and OPW specific bolt design sump entry fittings.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanantly bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF 4B1.4ANG



IRF 4B1.4

Product Number	Product Description	Price
IRF 4B1.0M	Icon SplitRepair Flange Fitting Kit for for 1.0" OD Pipe, Small 4-Bolt Multi-Pattern	\$159
IRF 4B1.4	Icon SplitRepair Flange Fitting Kit for 1.0" & 1.4" OD Pipe, 4-Bolt	\$159
IRF 4B1.4ANG	Icon SplitRepair Flange Fitting Kit for 1.0" & 1.4" OD Pipe, 4-Bolt, Angled	\$159
IRF 4B1.4OPW	Icon SplitRepair Flange Fitting Kit for 1.0" & 1.4" OD Pipe, 4-Bolt OPW Pattern	\$159
IRF 4B1.6OPW	Icon SplitRepair Flange Fitting Kit for 1.25" & 1.6" OD Pipe, 4-Bolt OPW Pattern	\$159
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10

Notes

Volume for referenced material use with fittings on this page is as follows:
FastFuse - 1 can per 6 fittings; Sikaflex - 1 tube per 6 fittings



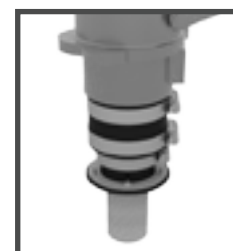


SplitRepair Shallow Pan 5 & 6-Bolt Fitting Kits

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. SplitRepair Flange fittings are permanently bonded together with Icon FastFuse solvent. Shallow Pan 5 & 6-Bolt fittings are designed for the direct replacement of bolt design fittings in shallow dispenser sumps.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanantly bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF 5B3.5x(Insert Spec)

Product Number	Product Description	Price
IRF 5B3.5x(Insert Spec)	Icon SplitRepair Flange Fitting Kit for 3.5" x Pipe Specification (ie "Hex" or Pipe OD), 5-Bolt	\$181
IRF 6B3.5x(Insert Spec)	Icon SplitRepair Flange Fitting Kit for 3.5" x Pipe Specification (ie "Hex" or Pipe OD), 6-Bolt	\$181
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10

Notes

Volume for referenced material use with fittings on this page is as follows:
FastFuse - 1 can per 6 fittings; Sikaflex - 1 tube per 6 fittings





SplitRepair Flange 8-Bolt Fitting Kits

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. SplitRepair Flange fittings are permanently bonded together with Icon FastFuse solvent. Flange 8-Bolt fittings are designed for the direct replacement of both standard and OPW specific bolt design sump entry fittings.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF 8B2.5

Product Number	Product Description	Price
IRF 8B2.0	Icon SplitRepair Flange Fitting Kit for 2.0" OD Pipe, 8-Bolt	\$215
IRF 8B2.0OPW	Icon SplitRepair Flange Fitting Kit for 2.0" OD Pipe, 8-Bolt OPW Pattern	\$215
IRF 8B2.2	Icon SplitRepair Flange Fitting Kit for 2.25" OD Pipe, 8-Bolt	\$215
IRF 8B2.5	Icon SplitRepair Flange Fitting Kit for 2.5" OD Pipe, 8-Bolt	\$215
IRF 8B2.5OPW	Icon SplitRepair Flange Fitting Kit for 2.5" OD Pipe, 8-Bolt OPW Pattern	\$215
IRF 8B2.7	Icon SplitRepair Flange Fitting Kit for 2.7" OD Pipe, 8-Bolt	\$215
IRF 8B2.7OPW	Icon SplitRepair Flange Fitting Kit for 2.7" OD Pipe, 8-Bolt OPW Pattern	\$215
IRF 8B3.0	Icon SplitRepair Flange Fitting Kit for 3.0" OD Pipe, 8-Bolt	\$215
IRF 8B3.5	Icon SplitRepair Flange Fitting Kit for 3.5" OD Pipe, 8-Bolt	\$215
IRF 8B3.5OPW	Icon SplitRepair Flange Fitting Kit for 3.5" OD Pipe, 8-Bolt OPW Pattern	\$215
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10

Notes

Volume for referenced material use with fittings on this page is as follows:

FastFuse - 1 can per 6 fittings; Sikaflex - 1 tube per 6 fittings





SplitRepair Flange 10-Bolt Fitting Kits

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. SplitRepair Flange fittings are permanently bonded together with Icon FastFuse solvent. Flange 10-Bolt fittings are designed for the direct replacement of both standard and OPW specific bolt design sump entry fittings.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF 10B2.5

Product Number	Product Description	Price
IRF 10B2.0	Icon SplitRepair Flange Fitting Kit for 2.0" OD Pipe, 10-Bolt	\$225
IRF 10B2.5	Icon SplitRepair Flange Fitting Kit for 2.5" OD Pipe, 10-Bolt	\$225
IRF 10B2.5OPW	Icon SplitRepair Flange Fitting Kit for 2.5" OD Pipe, 10-Bolt OPW Pattern	\$225
IRF 10B2.7	Icon SplitRepair Flange Fitting Kit for 2.7" OD Pipe, 10-Bolt	\$225
IRF 10B3.5	Icon SplitRepair Flange Fitting Kit for 3.5" OD Pipe, 10-Bolt	\$225
IRF 10B3.5OPW	Icon SplitRepair Flange Fitting Kit for 3.5" OD Pipe, 10-Bolt OPW Pattern	\$225
IRF 10B4.5	Icon SplitRepair Flange Fitting Kit for 4.5" OD Pipe, 10-Bolt	\$259
IRF 10B4.6x1.9x1.4	Icon Custom SplitRepair Flange Fitting Kit for 4.6" x 1.9" x 1.4" OD Pipe, Dual-Entry, 10-Bolt	\$259
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10

Notes

Volume for referenced material use with fittings on this page is as follows:
FastFuse - 1 can per 4 fittings; Sikaflex - 1 tube per 4 fittings





SplitRepair Flange Large Diameter Pipe Fitting Kits

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. SplitRepair Flange fittings are permanently bonded together with Icon FastFuse solvent. These large diameter pipe fittings are designed for 8" and 10" ductile iron, or similar types and sizes of pipe, and will be supplied with bolts for anchoring in concrete vaults as applicable.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanantly bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF 10BXXL11.0x9.0

Product Number	Product Description	Price
IRF 10BXXL11.0x9.0	Icon SplitRepair Flange Fitting Kit for 11.0" x 9.0" OD Pipe, 10-Bolt (Ductile Iron Pipe)	\$595
IRF 10BXXL11.0	Icon SplitRepair Flange Fitting Kit for 11.0" OD Pipe, 10-Bolt (Ductile Iron Pipe)	\$595
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10

Notes

Volume for referenced material use with fittings on this page is as follows:
FastFuse - 1 can per 3 fittings; Sikaflex - 1 tube per 2 fittings





SplitRepair Flange Nupi Design Fitting Kits

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. SplitRepair Flange fittings are permanently bonded together with Icon FastFuse solvent. Nupi bolt patterns are unique from others in the industry. This series of repair fittings are specific for the Nupi bolt patterns and pipe sizes.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanantly bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF 8B4.0NUPI

Product Number	Product Description	Price
IRF 4B1.4NUPI	Icon SplitRepair Flange Fitting Kit for 1.0" & 1.4" OD Pipe, 4-Bolt Nupi Pattern	\$159
IRF 6B2.0NUPI	Icon SplitRepair Flange Fitting Kit for 2.0" OD Pipe, 6-Bolt Nupi Pattern	\$215
IRF 6B2.5NUPI	Icon SplitRepair Flange Fitting Kit for 2.5" OD Pipe, 6-Bolt Nupi Pattern	\$215
IRF 6B3.0NUPI	Icon SplitRepair Flange Fitting Kit for 3.0" OD Pipe, 6-Bolt Nupi Pattern	\$215
IRF 6B3.5NUPI	Icon SplitRepair Flange Fitting Kit for 3.5" OD Pipe, 6-Bolt Nupi Pattern	\$215
IRF 8B4.0NUPI	Icon SplitRepair Flange Fitting Kit for 4.0" OD Pipe, 8-Bolt Nupi Pattern	\$215
IRF 8B4.5NUPI	Icon SplitRepair Flange Fitting Kit for 4.0" OD Pipe, 8-Bolt Nupi Pattern	\$215
IRF 8B5.0NUPI	Icon SplitRepair Flange Fitting Kit for 5.0" OD Pipe, 8-Bolt NUPI Pattern	\$215
IAC FastFuse	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IAC Sika10	Sikaflex Fitting Sealant, 10oz Tube	\$10

Notes

Volume for referenced material use with fittings on this page is as follows:
FastFuse - 1 can per 6 fittings; Sikaflex - 1 tube per 6 fittings





SplitRepair Blueline Fitting Kits - Small & Medium

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Blueline repair fitting kits are specifically designed for the replacement of Blueline manufactured KFD, K1, and K2 model sump entry fittings where the fitting housing will remain and be bonded to the sump surface, and other components replaced.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF BL-S1.4

Product Number	Product Description	Price
IRF BL-S1.4	Icon SplitRepair Kit for Blueline Fitting, Small Housing, 1.4" & 1.0" OD Pipe, w/ 50ml iBond	\$129
IRF BL-S1.4OS	Icon SplitRepair Kit for Blueline Fitting, Small Housing, 1.4" & 1.0" OD Pipe, Off-Set, w/ 50ml iBond	\$169
IRF BL-S1.6	Icon SplitRepair Kit for Blueline Fitting, Small Housing, 1.6" & 1.25" OD Pipe, w/ 50ml iBond	\$129
IRF BL-S1.6OS	Icon SplitRepair Kit for Blueline Fitting, Small Housing, 1.6" & 1.25" OD Pipe, Off-Set, w/ 50ml iBond	\$169
IRF BL-SCap	Icon SplitRepair Kit for Blueline Fitting, Small Housing Cap, w/ 50ml iBond	\$129
IRF BL-M2.0	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 2.0" OD Pipe, w/ 50ml iBond	\$139
IRF BL-M2.0OS	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 2.0" OD Pipe, Off-Set w/ 50ml iBond	\$179
IRF BL-M2.2	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 2.2" OD Pipe, w/ 50ml iBond	\$139
IRF BL-M2.2OS	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 2.2" OD Pipe, Off-Set w/ 50ml iBond	\$179
IRF BL-M2.5	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 2.5" OD Pipe, w/ 50ml iBond	\$139
IRF BL-M2.5OS	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 2.5" OD Pipe, Off-Set w/ 50ml iBond	\$179
IRF BL-M2.7	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 2.7" OD Pipe, w/ 50ml iBond	\$139
IRF BL-M2.7OS	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 2.7" OD Pipe, Off-Set w/ 50ml iBond	\$179
IRF BL-M3.0	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 3.0" OD Pipe, w/ 50ml iBond	\$139
IRF BL-M3.0OS	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 3.0" OD Pipe, Off-Set w/ 50ml iBond	\$179
IRF BL-M3.5	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 3.5" OD Pipe, w/ 50ml iBond	\$139
IRF BL-M3.5OS	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 3.5" OD Pipe, Off-Set w/ 50ml iBond	\$179
IRF BL-M3.7	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 3.7" OD Pipe, w/ 50ml iBond	\$139
IRF BL-M3.7OS	Icon SplitRepair Kit for Blueline Fitting, Med Housing, 3.7" OD Pipe, Off-Set w/ 50ml iBond	\$179
IRF BL-MCap	Icon SplitRepair Kit for Blueline Fitting, Med Housing Cap, w/ 50ml iBond	\$139

Notes

Additional materials not included in the kit are FastFuse solvent and Sikaflex sealant at a ratio of 1 each per 5 fittings. The Icon iBond bonder requires IACMGun50 dispensing gun.





SplitRepair Blueline Fitting Kits - Large

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Blueline repair fitting kits are specifically designed for the replacement of Blueline manufactured KFD, K1, and K2 model sump entry fittings where the fitting housing will remain and be bonded to the sump surface, and other components replaced.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF BL-L4.5

Product Number	Product Description	Price
IRF BL-L1.9x1.4	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 1.9" x 1.4"/1.0" OD Pipe, Dual-Entry, w/ 100ml iBond	\$209
IRF BL-L2.0	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 2.0" OD Pipe, w/ 100ml iBond	\$159
IRF BL-L2.0OS	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 2.0" OD Pipe, Off-Set, w/ 100ml iBond	\$209
IRF BL-L2.2	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 2.2" OD Pipe, w/ 100ml iBond	\$159
IRF BL-L2.2OS	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 2.2" OD Pipe, Off-Set, w/ 100ml iBond	\$209
IRF BL-L2.5	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 2.5" OD Pipe, w/ 100ml iBond	\$159
IRF BL-L2.5OS	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 2.5" OD Pipe, Off-Set, w/ 100ml iBond	\$209
IRF BL-L2.7	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 2.7" OD Pipe, w/ 100ml iBond	\$159
IRF BL-L2.7OS	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 2.7" OD Pipe, Off-Set, w/ 100ml iBond	\$209
IRF BL-L3.0	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 3.0" OD Pipe, w/ 100ml iBond	\$159
IRF BL-L3.0OS	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 3.0" OD Pipe, Off-Set, w/ 100ml iBond	\$209
IRF BL-L3.5	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 3.5" OD Pipe, w/ 100ml iBond	\$159
IRF BL-L3.5OS	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 3.5" OD Pipe, Off-Set, w/ 100ml iBond	\$209
IRF BL-L4.5	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 4.5" OD Pipe, w/ 100ml iBond	\$159
IRF BL-L4.8	Icon SplitRepair Kit for Blueline Fitting, Large Housing, 4.8" OD Ducting w/ 100ml iBond	\$159
IRF BL-LCap	Icon SplitRepair Kit for Blueline Fitting, Large Housing Cap, w/ 100ml iBond	\$159

Notes

Additional materials not included in the kit are FastFuse solvent and Sikaflex sealant at a ratio of 1 each per 5 fittings. The Icon iBond bonder requires IACMGun50 dispensing gun.





SplitRepair OPW Fitting Kits

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. OPW repair fitting kits are specifically designed for the replacement of OPW manufactured CS/PCS product and conduit entry fittings where the housing will remain and be resealed as part of the repair, and other components will be replaced.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF OPW-M2.0

Product Number	Product Description	Price
IRF OPW-ST1.4	Icon SplitRepair Kit for OPW Fitting, Small Threaded Cuff, 1.4" & 1.0" OD Pipe	\$79
IRF OPW-MT1.4	Icon SplitRepair Kit for OPW Fitting, Medium Threaded Cuff, 1.4" & 1.0" OD Pipe	\$79
IRF OPW-LT1.4	Icon SplitRepair Kit for OPW Fitting, Large Threaded Cuff, 1.4" & 1.0" OD Pipe	\$79
IRF OPW-S1.4	Icon SplitRepair Kit for OPW Fitting, Small Cuff, 1.4" OD Pipe	\$99
IRF OPW-S1.4OS	Icon SplitRepair Kit for OPW Fitting, Small Cuff, 1.4" OD Pipe, Off-Set	\$109
IRF OPW-S2.0	Icon SplitRepair Kit for OPW Fitting, Small Cuff, 2.0" OD Pipe	\$99
IRF OPW-S2.0OS	Icon SplitRepair Kit for OPW Fitting, Small Cuff, 2.0" OD Pipe, Off-Set	\$109
IRF OPW-S2.5	Icon SplitRepair Kit for OPW Fitting, Small Cuff, 2.5" OD Pipe	\$99
IRF OPW-M2.0	Icon SplitRepair Kit for OPW Fitting, Medium Cuff, 2.0" OD Pipe	\$109
IRF OPW-M2.0OS	Icon SplitRepair Kit for OPW Fitting, Medium Cuff, 2.0" OD Pipe, Off-Set	\$129
IRF OPW-M2.5	Icon SplitRepair Kit for OPW Fitting, Medium Cuff, 2.5" OD Pipe	\$109
IRF OPW-M2.5OS	Icon SplitRepair Kit for OPW Fitting, Medium Cuff, 2.5" OD Pipe, Off-Set	\$129
IRF OPW-M3.5	Icon SplitRepair Kit for OPW Fitting, Medium Cuff, 3.5" OD Pipe	\$109
IRF OPW-L4.5	Icon SplitRepair Kit for OPW Fitting, Large Cuff, 4.8" OD Access Pipe	\$129

Notes

Additional materials not included in the kit are FastFuse solvent and Sikaflex sealant at a ratio of 1 each per 5 fittings. The repair fitting is not the same shape as the rubber boot.





SplitRepair Fibrelite Fitting Kits

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Fibrelite repair fitting kits are specifically designed for the replacement of Fibrelite manufactured PSB/USPSB model sump entry fittings where the metal fitting housing will remain and be bonded to the sump surface, and the rubber components replaced.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



This repair would require
IRF FL4.5

Product Number	Product Description	Price
IRF FL1.4	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 1.4" & 1.0" OD Pipe, w/ 50ml iBond	\$129
IRF FL1.4OS	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 1.4" & 1.0" OD Pipe, Off-Set, w/ 50ml iBond	\$159
IRF FL1.6	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 1.4" & 1.0" OD Pipe, w/ 50ml iBond	\$129
IRF FL1.6OS	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 1.4" & 1.0" OD Pipe, Off-Set, w/ 50ml iBond	\$159
IRF FL2.0	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 2.0" OD Pipe, w/ 50ml iBond	\$129
IRF FL2.0OS	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 2.0" OD Pipe, Off-Set, w/ 50ml iBond	\$159
IRF FL2.5	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 2.5" OD Pipe, w/ 50ml iBond	\$129
IRF FL2.5OS	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 2.5" OD Pipe, Off-Set, w/ 50ml iBond	\$159
IRF FL3.0	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 3.0" OD Pipe, w/ 50ml iBond	\$189
IRF FL3.5	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 3.5" OD Pipe, w/ 50ml iBond	\$189
IRF FL4.5	Icon SplitRepair Kit for Fibrelite Fitting, Housing, 4.5" OD Pipe, w/ 50ml iBond	\$189

Notes

Additional materials not included in the kit are FastFuse solvent and Sikaflex sealant at a ratio of 1 each per 5 fittings. The Icon iBond bonder requires IACMGun50 dispensing gun.





SplitRepair TCI Fitting Kits - 1.0" to 2.4" OD Pipe

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. TCI repair fitting kits are specifically designed for the replacement of TCI manufactured FB, CFB, and UB Series conduit and pipe sump entry fittings, with or without ducting where the housing will remain and be resealed as part of the repair, and other components replaced.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF TCI2.5F

Product Number	Product Description	Price
IRF TCI-S1.4	Icon SplitRepair Kit for TCI Fitting, Small Cuff, 1.4" & 1.0" OD Pipe	\$109
IRF TCI-M1.4	Icon SplitRepair Kit for TCI Fitting, Medium Cuff, 1.4" & 1.0" OD Pipe	\$109
IRF TCI-L1.4	Icon SplitRepair Kit for TCI Fitting, Large Cuff, 1.4" & 1.0" OD Pipe	\$109
IRF TCI-XL1.4	Icon SplitRepair Kit for TCI Fitting, Extra-Large Cuff, 1.4" & 1.0" OD Pipe	\$215
IRF TCI-DB1.9	Icon SplitRepair Kit for TCI Fitting, Direct Bury, 1.9" OD Pipe	\$109
IRF TCI-DB2.0	Icon SplitRepair Kit for TCI Fitting, Direct Bury, 2.0" OD Pipe	\$109
IRF TCI-DB2.2	Icon SplitRepair Kit for TCI Fitting, Direct Bury, 2.2" OD Pipe	\$109
IRF TCI-DB2.4	Icon SplitRepair Kit for TCI Fitting, Direct Bury, 2.4" OD Pipe	\$109
IRF TCI1.9	Icon SplitRepair Kit for TCI Fitting, 1.9" OD Pipe	\$215
IRF TCI1.9A	Icon SplitRepair Kit for TCI Fitting, 1.9" OD Pipe, w/ Air Test Valve	\$215
IRF TCI1.9F	Icon SplitRepair Kit for TCI Fitting, 1.9" OD Pipe, w/ Fill Tube & Dam Stop	\$215
IRF TCI1.9OS	Icon SplitRepair Kit for TCI Fitting, 1.9" OD Pipe, Off-Set	\$215
IRF TCI2.0	Icon SplitRepair Kit for TCI Fitting, 2.0" OD Pipe	\$215
IRF TCI2.0A	Icon SplitRepair Kit for TCI Fitting, 2.0" OD Pipe, w/ Air Test Valve	\$215
IRF TCI2.0F	Icon SplitRepair Kit for TCI Fitting, 2.0" OD Pipe, w/ Fill Tube & Dam Stop	\$215
IRF TCI 2.0OS	Icon SplitRepair Kit for TCI Fitting, 2.0" OD Pipe, Off-Set	\$215
IRF TCI2.2	Icon SplitRepair Kit for TCI Fitting, 2.25" OD Pipe	\$215
IRF TCI2.2A	Icon SplitRepair Kit for TCI Fitting, 2.25" OD Pipe, w/ Air Test Valve	\$215
IRF TCI2.2F	Icon SplitRepair Kit for TCI Fitting, 2.25" OD Pipe, w/ Fill Tube & Dam Stop	\$215
IRF TCI 2.2OS	Icon SplitRepair Kit for TCI Fitting, 2.25" OD Pipe, Off-Set	\$215

Notes

Additional materials not included in the kit are Icon FastFuse solvent, Sikaflex sealant, and Icon FastFill fitting filler at a ratio of 1 each per 5 fittings.





SplitRepair TCI Fitting Kits - 2.5" OD and Larger Pipe

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. TCI repair fitting kits are specifically designed for the replacement of TCI manufactured FB, CFB, and UB Series conduit and pipe sump entry fittings, with or without ducting where the housing will remain and be resealed as part of the repair, and other components replaced.

FEATURES & BENEFITS

- SplitRepair requires no disconnecting of pipe
- More cost-effective than equipment replacement
- Permanently bonded in one hour
- Testing can proceed immediately after installation
- UL Listed and All-fuels compatible
- 5-year warranty



IRF TCI3.0F

Product Number	Product Description	Price
IRF TCI2.5	Icon SplitRepair Kit for TCI Fitting, 2.5" OD Pipe	\$215
IRF TCI2.5A	Icon SplitRepair Kit for TCI Fitting, 2.5" OD Pipe, w/ Air Test Valve	\$215
IRF TCI2.5F	Icon SplitRepair Kit for TCI Fitting, 2.5" OD Pipe, w/ Fill Tube & Dam Stop	\$215
IRF TCI2.5OS	Icon SplitRepair Kit for TCI Fitting, 2.5" OD Pipe, Off-Set	\$215
IRF TCI2.7	Icon SplitRepair Kit for TCI Fitting, 2.7" OD Pipe	\$215
IRF TCI2.7A	Icon SplitRepair Kit for TCI Fitting, 2.7" OD Pipe, w/ Air Test Valve	\$215
IRF TCI2.7F	Icon SplitRepair Kit for TCI Fitting, 2.7" OD Pipe, w/ Fill Tube & Dam Stop	\$215
IRF TCI2.7OS	Icon SplitRepair Kit for TCI Fitting, 2.7" OD Pipe, Off-Set	\$215
IRF TCI3.0	Icon SplitRepair Kit for TCI Fitting, 3.0" OD Pipe	\$215
IRF TCI3.0A	Icon SplitRepair Kit for TCI Fitting, 3.0" OD Pipe, w/ Air Test Valve	\$215
IRF TCI3.0F	Icon SplitRepair Kit for TCI Fitting, 3.0" OD Pipe, w/ Fill Tube & Dam Stop	\$215
IRF TCI3.0OS	Icon SplitRepair Kit for TCI Fitting, 3.0" OD Pipe, Off-Set	\$215
IRF TCI3.5	Icon SplitRepair Kit for TCI Fitting, 3.5" OD Pipe	\$215
IRF TCI3.5A	Icon SplitRepair Kit for TCI Fitting, 3.5" OD Pipe, w/ Air Test Valve	\$215
IRF TCI3.5F	Icon SplitRepair Kit for TCI Fitting, 3.5" OD Pipe, w/ Fill Tube & Dam Stop	\$215
IRF TCI3.5OS	Icon SplitRepair Kit for TCI Fitting, 3.5" OD Pipe, Off-Set	\$215
IRF TCI4.5	Icon SplitRepair Kit for TCI Fitting, 4.5" OD Pipe	\$215
IRF TCI4.5Plug	Icon SplitRepair Kit for TCI Fitting, 4.5" Plug	\$215
IRF TCI4.6x1.9x1.4C	Custom Icon SplitRepair Kit for TCI Fitting, 4.6" x 1.9" x 1.4" OD Pipe, Dual-Entry	\$226

Notes

Additional materials not included in the kit are Icon FastFuse solvent, Sikaflex sealant, and Icon FastFill fitting filler at a ratio of 1 each per 5 fittings.





SplitRepair Rigid Bonded Fitting

SplitRepair fittings are designed to replace existing entry fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Rigid Fittings are bonded directly from sump to pipe where the pipe is fiberglass or rigid plastic design. They are manufactured with industry tested glass-filled nylon and bonded with Icon iBond FS or PolyFuse structural bonders, depending on the sump material.

FEATURES & BENEFITS

- No disconnecting pipe or excavation necessary
- All fuels, all blends compatible
- Faster, easier, and lower cost installation than competitor
- Accommodates angled pipe entry
- Tongue-and-groove fitting connection requires no clamping
- Installed permanently with structural bonder
- Test immediately after installation
- Can be used in combination with a flexible Icon fitting
- Limited lifetime warranty on fitting



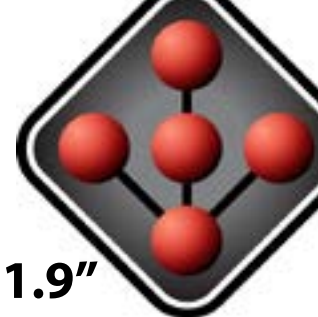
IRF RIGID2.5F

Product Number	Product Description	Price
IRF RIGID1.4F	Icon SplitRepair Rigid Bonded Fitting Kit for 1.4" OD Pipe w/ 100ml iBond Bonder	\$159
IRF RIGID1.4P	Icon SplitRepair Rigid Bonded Fitting Kit for 1.4" OD Pipe w/ 100ml PolyFuse Bonder	\$229
IRF RIGID1.6F	Icon SplitRepair Rigid Bonded Fitting Kit for 1.6" OD Pipe w/ 100ml iBond Bonder	\$159
IRF RIGID1.6P	Icon SplitRepair Rigid Bonded Fitting Kit for 1.6" OD Pipe w/ 100ml PolyFuse Bonder	\$229
IRF RIGID2.5F	Icon SplitRepair Rigid Bonded Fitting Kit for 2.5" OD Pipe w/ 100ml iBond Bonder	\$159
IRF RIGID2.5P	Icon SplitRepair Rigid Bonded Fitting Kit for 2.5" OD Pipe w/ 100ml PolyFuse Bonder	\$229
IRF RIGID2.7F	Icon SplitRepair Rigid Bonded Fitting Kit for 2.7" OD Pipe w/ 100ml iBond Bonder	\$159
IRF RIGID2.7P	Icon SplitRepair Rigid Bonded Fitting Kit for 2.7" OD Pipe w/ 100ml PolyFuse Bonder	\$229
IRF RIGID3.0F	Icon SplitRepair Rigid Bonded Fitting Kit for 3.0" OD Pipe w/ 100ml iBond Bonder	\$189
IRF RIGID3.0P	Icon SplitRepair Rigid Bonded Fitting Kit for 3.0" OD Pipe w/ 100ml PolyFuse Bonder	\$259
IRF RIGID3.5F	Icon SplitRepair Rigid Bonded Fitting Kit for 3.5" OD Pipe w/ 100ml iBond Bonder	\$189
IRF RIGID3.5P	Icon SplitRepair Rigid Bonded Fitting Kit for 3.5" OD Pipe w/ 100ml PolyFuse Bonder	\$259
IRF RIGID3.7F	Icon SplitRepair Rigid Bonded Fitting Kit for 3.7" OD Pipe w/ 100ml iBond Bonder	\$189
IRF RIGID3.7P	Icon SplitRepair Rigid Bonded Fitting Kit for 3.7" OD Pipe w/ 100ml PolyFuse Bonder	\$259
IRF RIGID4.5F	Icon SplitRepair Rigid Bonded Fitting Kit for 4.5" OD Pipe w/ 150ml iBond Bonder	\$215
IRF RIGID4.5P	Icon SplitRepair Rigid Bonded Fitting Kit for 4.5" OD Pipe w/ 150ml PolyFuse Bonder	\$279
IRF RIGID4.7F	Icon SplitRepair Rigid Bonded Fitting Kit for 4.7" OD Pipe w/ 150ml iBond Bonder	\$215
IRF RIGID4.7P	Icon SplitRepair Rigid Bonded Fitting Kit for 4.7" OD Pipe w/ 150ml PolyFuse Bonder	\$279

Notes

Rigid bonded fittings are designed specifically for FRP or Poly sumps to FRP or hard plastic (HDPE) pipe applications. If you are bonding to truly flexible pipe in double or single wall configuration, it is best to first contact the pipe manufacturer to see if it will void the warranty.





SplitRepair Reducer & Test Reducer Fittings - 1.2" to 1.9"

SplitRepair fittings are designed to replace existing fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Available with or without air test and drain valves; and in split or non-split versions. Split bonded fittings are ready for testing within 1 hour.

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



ISR 1.6x1.25A

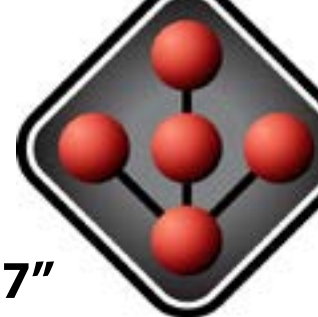


Product Number	Product Description	Price
ISR 1.25x1.0	Icon SplitRepair Reducer Fitting for 1.25" x 1.0" OD Pipe	\$29
ISR 1.25x1.0A	Icon SplitRepair Reducer Fitting for 1.25" x 1.0" OD Pipe w/ Air Test Valve	\$38
ISR 1.4x1.25	Icon SplitRepair Reducer Fitting for 1.4" x 1.25" OD Pipe	\$29
ISR 1.4x1.25A	Icon SplitRepair Reducer Fitting for 1.4" x 1.25" OD Pipe w/ Air Test Valve	\$38
ISR 1.6x1.25	Icon SplitRepair Reducer Fitting for 1.6" x 1.25" OD Pipe (40x32mm)	\$29
ISR 1.6x1.25A	Icon SplitRepair Reducer Fitting for 1.6" x 1.25" OD Pipe (40x32mm) w/ Air Test Valve	\$38
ISR 1.8x1.4	Icon SplitRepair Reducer Fitting for 1.8" x 1.4" OD Pipe	\$29
ISR 1.8x1.4A	Icon SplitRepair Reducer Fitting for 1.8" x 1.4" OD Pipe w/ Air Test Valve	\$38
ISR 1.9x1.9	Icon SplitRepair Reducer Fitting for 1.9" x 1.9" OD Pipe	\$29
ISR 1.9x1.9A	Icon SplitRepair Reducer Fitting for 1.9" x 1.9" OD Pipe w/ Air Test Valve	\$38

Notes

It is commonly required to hydrostatic or otherwise test the sump after repairs have been made. Missing or degraded pipe test/termination fittings will need to be replaced before the test, of course, whether or not the pipe secondary integrity testing is being done at the time.





SplitRepair Reducer & Test Reducer Fittings - 2" to 2.7"

SplitRepair fittings are designed to replace existing fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Available with or without air test and drain valves; and in split or non-split versions. Split bonded fittings are ready for testing within 1 hour.

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



ISR 2.61x2.38LCXA

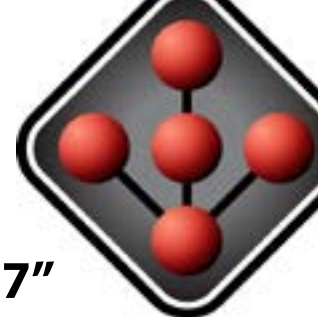


Product Number	Product Description	Price
ISR 2.0x2.0	Icon SplitRepair Reducer Fitting for 2.0" x 2.0" OD Pipe	\$31
ISR 2.0x2.0A	Icon SplitRepair Reducer Fitting for 2.0" x 2.0" OD Pipe w/ Air Test Valve	\$40
ISR 2.0x2.0S	Icon SplitRepair Reducer Fitting for 2.0" x 2.0" OD Pipe, Short	\$52
ISR 2.0x2.0AS	Icon SplitRepair Reducer Fitting for 2.0" x 2.0" OD Pipe w/ Air Test Valve, Short	\$61
ISR 2.25x2.0	Icon SplitRepair Reducer Fitting for 2.2" x 2.0" OD Pipe	\$52
ISR 2.25x2.0A	Icon SplitRepair Reducer Fitting for 2.2" x 2.0" OD Pipe w/ Air Test Valve	\$61
ISR 2.4x1.4	Icon SplitRepair Reducer Fitting for 2.4" x 1.4" OD Pipe	\$31
ISR 2.4x1.4A	Icon SplitRepair Reducer Fitting for 2.4" x 1.4" OD Pipe w/ Air Test Valve	\$40
ISR 2.5x2.0	Icon SplitRepair Reducer Fitting for 2.5" x 2.0" OD Pipe (63x50mm)	\$31
ISR 2.5x2.0A	Icon SplitRepair Reducer Fitting for 2.5" x 2.0" OD Pipe (63x50mm) w/ Air Test Valve	\$40
ISR 2.5x2.5	Icon SplitRepair Reducer Fitting for 2.5" x 2.5" OD Pipe	\$31
ISR 2.5x2.5A	Icon SplitRepair Reducer Fitting for 2.5" x 2.5" OD Pipe w/ Air Test Valve	\$40
ISR 2.5x2.5S	Icon SplitRepair Reducer Fitting for 2.5" x 2.5" OD Pipe, Short	\$63
ISR 2.5x2.5AS	Icon SplitRepair Reducer Fitting for 2.5" x 2.5" OD Pipe w/ Air Test Valve, Short	\$72
ISR 2.61x2.38LCX	Icon SplitRepair Reducer Fitting for 2.61" x 2.38" OD Pipe, LCX	\$31
ISR 2.61x2.38LCXA	Icon SplitRepair Reducer Fitting for 2.61" x 2.38" OD Pipe, LCX w/ Air Test Valve	\$40
ISR 2.7x2.7	Icon SplitRepair Reducer Fitting for 2.7" x 2.7" OD Pipe	\$31
ISR 2.7x2.7A	Icon SplitRepair Reducer Fitting for 2.7" x 2.7" OD Pipe w/ Air Test Valve	\$40

Notes

It is commonly required to hydrostatic or otherwise test the sump after repairs have been made. Missing or degraded pipe test/termination fittings will need to be replaced before the test, of course, whether or not the pipe secondary integrity testing is being done at the time.





SplitRepair Reducer & Test Reducer Fittings - 3" to 3.7"

SplitRepair fittings are designed to replace existing fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Available with or without air test and drain valves; and in split or non-split versions. Split bonded fittings are ready for testing within 1 hour.

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



ISR 3.5x2.4OSDA

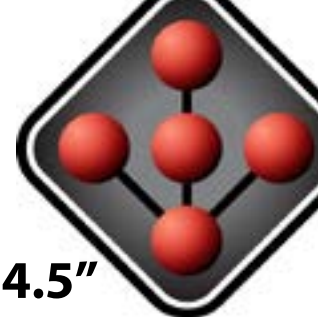


Product Number	Product Description	Price
ISR 3.0x2.5	Icon SplitRepair Reducer Fitting for 3.0" x 2.5" OD Pipe (75x63mm)	\$45
ISR 3.0x2.5A	Icon SplitRepair Reducer Fitting for 3.0" x 2.5" OD Pipe (75x63mm) w/ Air Test Valve	\$54
ISR 3.5x1.4	Icon SplitRepair Reducer Fitting for 3.5" x 1.4" OD Pipe	\$45
ISR 3.5x1.4A	Icon SplitRepair Reducer Fitting for 3.5" x 1.4" OD Pipe w/ Air Test Valve	\$54
ISR 3.5x1.6	Icon SplitRepair Reducer Fitting for 3.5" x 1.6" OD Pipe	\$45
ISR 3.5x1.6A	Icon SplitRepair Reducer Fitting for 3.5" x 1.6" OD Pipe w/ Air Test Valve	\$54
ISR 3.5x2.4	Icon SplitRepair Reducer Fitting for 3.5" x 2.4" OD Pipe	\$45
ISR 3.5x2.4A	Icon SplitRepair Reducer Fitting for 3.5" x 2.4" OD Pipe w/ Air Test Valve	\$54
ISR 3.5x2.4DA	Icon SplitRepair Reducer Fitting for 3.5" x 2.4" OD Pipe w/ Drain & Air Test Valves	\$65
ISR 3.5x2.4OS	Icon SplitRepair Reducer Fitting for 3.5" x 2.4" OD Pipe, Off-Set	\$67
ISR 3.5x2.4OSA	Icon SplitRepair Reducer Fitting for 3.5" x 2.4" OD Pipe, Off-Set w/ Air Test Valve	\$76
ISR 3.5x2.4OSDA	Icon SplitRepair Reducer Fitting for 3.5" x 2.4" OD Pipe, Off-Set w/ Drain & Air Test Valves	\$87
ISR 3.5x2.7	Icon SplitRepair Reducer Fitting for 3.5" x 2.7" OD Pipe	\$45
ISR 3.5x2.7A	Icon SplitRepair Reducer Fitting for 3.5" x 2.7" OD Pipe w/ Air Test Valve	\$54
ISR 3.5x3.5	Icon SplitRepair Reducer Fitting for 3.5" x 3.5" OD Pipe	\$45
ISR 3.5x3.5A	Icon SplitRepair Reducer Fitting for 3.5" x 3.5" OD Pipe w/ Air Test Valve	\$54
ISR 3.72x3.5LCX	Icon SplitRepair Reducer Fitting for 3.72" x 3.5" OD Pipe, LCX	\$45
ISR 3.72x3.5LCXA	Icon SplitRepair Reducer Fitting for 3.72" x 3.5" OD Pipe, LCX w/ Air Test Valve	\$54

Notes

It is commonly required to hydrostatic or otherwise test the sump after repairs have been made. Missing or degraded pipe test/termination fittings will need to be replaced before the test, of course, whether or not the pipe secondary integrity testing is being done at the time.





SplitRepair Reducer & Test Reducer Fittings - 4.0" to 4.5"

SplitRepair fittings are designed to replace existing fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Available with or without air test and drain valves; and in split or non-split versions. Split bonded fittings are ready for testing within 1 hour.

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



ISR 4.5x3.5A

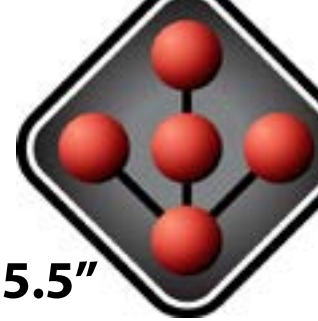


Product Number	Product Description	Price
ISR 4.0x3.0	Icon SplitRepair Reducer Fitting for 4.0" x 3.0" OD Pipe	\$55
ISR 4.0x3.0A	Icon SplitRepair Reducer Fitting for 4.0" x 3.0" OD Pipe w/ Air Test Valve	\$64
ISR 4.0x3.5	Icon SplitRepair Reducer Fitting for 4.3" x 3.5" OD Pipe	\$55
ISR 4.0x3.5A	Icon SplitRepair Reducer Fitting for 4.3" x 3.5" OD Pipe w/ Air Test Valve	\$64
ISR 4.3x1.4	Icon SplitRepair Reducer Fitting for 4.3" x 1.4" OD Pipe	\$55
ISR 4.3x1.6	Icon SplitRepair Reducer Fitting for 4.3" x 1.6" OD Pipe	\$55
ISR 4.5x2.5	Icon SplitRepair Reducer Fitting for 4.5" x 3.75" x 2.5" OD Pipe	\$55
ISR 4.5x2.5A	Icon SplitRepair Reducer Fitting for 4.5" x 3.75" x 2.5" OD Pipe w/ Air Test Valve	\$64
ISR 4.5x2.7	Icon SplitRepair Reducer Fitting for 4.5" x 2.7" OD Pipe	\$55
ISR 4.5x2.7A	Icon SplitRepair Reducer Fitting for 4.5" x 2.7" OD Pipe w/ Air Test Valve	\$64
ISR 4.5x3.5	Icon SplitRepair Reducer Fitting for 4.5" x 3.5" OD Pipe	\$55
ISR 4.5x3.5A	Icon SplitRepair Reducer Fitting for 4.5" x 3.5" OD Pipe w/ Air Test Valve	\$64
ISR 4.5x3.5DA	Icon SplitRepair Reducer Fitting for 4.5" x 3.5" OD Pipe w/ Drain & Air Test Valves	\$75
ISR 4.5x3.5OS	Icon SplitRepair Reducer Fitting for 4.5" x 3.5" OD Pipe, Off-Set	\$78
ISR 4.5x3.5OSA	Icon SplitRepair Reducer Fitting for 4.5" x 3.5" OD Pipe, Off-Set w/ Air Test Valve	\$87
ISR 4.5x3.5OSDA	Icon SplitRepair Reducer Fitting for 4.5" x 3.5" OD Pipe, Off-Set w/ Drain & Air Test Valves	\$98
ISR 4.5x4.5	Icon SplitRepair Reducer Fitting for 4.5" x 4.5" OD Pipe	\$55
ISR 4.5x4.5A	Icon SplitRepair Reducer Fitting for 4.5" x 4.5" OD Pipe w/ Air Test Valve	\$64

Notes

It is commonly required to hydrostatic or otherwise test the sump after repairs have been made. Missing or degraded pipe test/termination fittings will need to be replaced before the test, of course, whether or not the pipe secondary integrity testing is being done at the time.





SplitRepair Reducer & Test Reducer Fittings - 4.6" to 5.5"

SplitRepair fittings are designed to replace existing fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Available with or without air test and drain valves; and in split or non-split versions. Split bonded fittings are ready for testing within 1 hour.

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



ISR 4.8x2.5

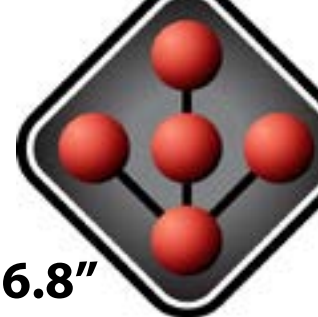


Product Number	Product Description	Price
ISR 4.6x1.9x1.4	Icon SplitRepair Reducer Fitting for 4.6" x 1.9" x 1.4" OD Pipe, Dual Lines	\$95
ISR 4.6x1.9x1.4A	Icon SplitRepair Reducer Fitting for 4.6" x 1.9" x 1.4" OD Pipe, Dual Lines w/ Air Test Valve	\$104
ISR 4.72x4.5LCX	Icon SplitRepair Reducer Fitting for 4.72" x 4.5" OD Pipe, LCX	\$55
ISR 4.72x4.5LCXA	Icon SplitRepair Reducer Fitting for 4.72" x 4.5" OD Pipe, LCX w/ Air Test Valve	\$64
ISR 4.8x2.0	Icon SplitRepair Reducer Fitting for 4.8" x 2.0" OD Pipe	\$69
ISR 4.8x2.0A	Icon SplitRepair Reducer Fitting for 4.8" x 2.0" OD Pipe w/ Air Test Valve	\$78
ISR 4.8x2.25	Icon SplitRepair Reducer Fitting for 4.8" x 2.2" OD Pipe	\$69
ISR 4.8x2.25A	Icon SplitRepair Reducer Fitting for 4.8" x 2.2" OD Pipe w/ Air Test Valve	\$78
ISR 4.8x2.5	Icon SplitRepair Reducer Fitting for 4.8" x 2.5" OD Pipe	\$69
ISR 4.8x2.5A	Icon SplitRepair Reducer Fitting for 4.8" x 2.5" OD Pipe w/ Air Test Valve	\$78
ISR 4.9x3.9	Icon SplitRepair Reducer Fitting for 4.9" x 3.9" OD Pipe	\$69
ISR 5.0x4.5	Icon SplitRepair Reducer Fitting for 5.0" x 4.5" OD Pipe	\$78
ISR 5.25x2.0	Icon SplitRepair Reducer Fitting for 5.25" x 2.0" OD Sump Cuff & Pipe	\$78
ISR 5.25x4.5	Icon SplitRepair Reducer Fitting for 5.25" x 4.5" OD Pipe	\$78
ISR 5.5x2.0	Icon SplitRepair Reducer Fitting for 5.5" x 2.0" OD Pipe	\$61
ISR 5.5x2.25	Icon SplitRepair Reducer Fitting for 5.5 x 2.25" OD Pipe	\$61
ISR 5.5x2.5	Icon SplitRepair Reducer Fitting for 5.5" x 2.5" OD Pipe	\$61
ISR 5.5x3.5x2.5	Icon SplitRepair Reducer Fitting for 5.5" x 3.5 x 2.5" OD Pipe	\$61

Notes

It is commonly required to hydrostatic or otherwise test the sump after repairs have been made. Missing or degraded pipe test/termination fittings will need to be replaced before the test, of course, whether or not the pipe secondary integrity testing is being done at the time.





SplitRepair Reducer & Test Reducer Fittings - 5.5" to 6.8"

SplitRepair fittings are designed to replace existing fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Available with or without air test and drain valves; and in split or non-split versions. Split bonded fittings are ready for testing within 1 hour.

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



ISR 6.5x3.5

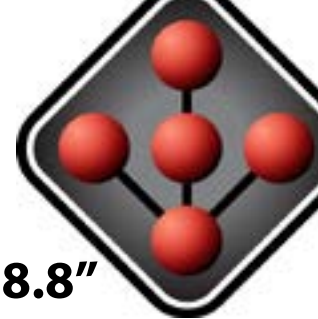


Product Number	Product Description	Price
ISR 5.5x2.7	Icon SplitRepair Reducer Fitting for 5.5" x 2.7" OD Pipe	\$61
ISR 5.5x3.0	Icon SplitRepair Reducer Fitting for 5.5" x 3.0" OD Pipe	\$61
ISR 5.5x3.5	Icon SplitRepair Reducer Fitting for 5.5" x 3.5" OD Pipe	\$61
ISR 5.5x3.7	Icon SplitRepair Reducer Fitting for 5.5" x 3.7" OD Pipe	\$61
ISR 5.5x4.5	Icon SplitRepair Reducer Fitting for 5.5" x 4.5" OD Pipe	\$61
ISR 6.5x2.0	Icon SplitRepair Reducer Fitting for 6.5" x 2.0" OD Pipe	\$69
ISR 6.5x2.5	Icon SplitRepair Reducer Fitting for 6.5" x 2.5" OD Pipe	\$69
ISR 6.5x2.7	Icon SplitRepair Reducer Fitting for 6.5" x 2.7" OD Pipe	\$69
ISR 6.5x3.0	Icon SplitRepair Reducer Fitting for 6.5" x 3.0" OD Pipe	\$69
ISR 6.5x3.5	Icon SplitRepair Reducer Fitting for 6.5" x 3.5" OD Pipe	\$69
ISR 6.5x4.8	Icon SplitRepair Reducer Fitting for 6.5" x 4.8" OD Pipe	\$69
ISR 6.8x4.5	Icon SplitRepair Reducer Fitting for 6.8" x 4.5" OD Pipe	\$78
ISR 6.8x4.5A	Icon SplitRepair Reducer Fitting for 6.8" x 4.5" OD Pipe w/ Air Test Valve	\$78
ISR 6.8x4.5DA	Icon SplitRepair Reducer Fitting for 6.8" x 4.5" OD Pipe w/ Drain & Air Test Valves	\$89

Notes

It is commonly required to hydrostatic or otherwise test the sump after repairs have been made. Missing or degraded pipe test/termination fittings will need to be replaced before the test, of course, whether or not the pipe secondary integrity testing is being done at the time.





SplitRepair Reducer & Test Reducer Fittings - 7.5" to 8.8"

SplitRepair fittings are designed to replace existing fittings that leak as the result of age, degradation, or other damage. These fittings are installed without the disconnecting of pipe, breaking concrete, or replacement of the sump container. Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Available with or without air test and drain valves; and in split or non-split versions. Split bonded fittings are ready for testing within 1 hour.

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



ISR 7.5x4.5



Product Number	Product Description	Price
ISR 7.5x3.5	Icon SplitRepair Reducer Fitting for 7.5" x 3.5" OD Pipe	\$78
ISR 7.5x4.5	Icon SplitRepair Reducer Fitting for 7.5" x 4.5" OD Pipe	\$78
ISR 7.5x4.6x1.9x1.4	Icon SplitRepair Reducer Fitting for 7.5" x 4.6" x 1.9" x 1.4" OD Pipe, Dual Lines	\$96
ISR 7.5x4.6x1.9x1.4A	Icon SplitRepair Reducer Fitting for 7.5" x 4.6" x 1.9" x 1.4" OD Pipe, Dual Lines w/ Air Test Valve	\$105
ISR 7.5x4.8x2.0	Icon SplitRepair Reducer Fitting for 7.5" x 4.8" x 2.0" OD Pipe	\$96
ISR 7.5x4.8x2.5	Icon SplitRepair Reducer Fitting for 7.5" x 4.8" x 2.5" OD Pipe	\$96
ISR 7.6x4.5	Icon SplitRepair Reducer Fitting for 7.6" x 4.5" OD Pipe	\$78
ISR 7.6x4.8	Icon SplitRepair Reducer Fitting for 7.6" x 4.8" OD Pipe	\$78
ISR 8.8x6.8	Icon SplitRepair Reducer Fitting for 8.8" x 6.8" OD Pipe	\$114
ISR 8.8x6.8A	Icon SplitRepair Reducer Fitting for 8.8" x 6.8" OD Pipe w/ Air Test Valve	\$123

Notes

It is commonly required to hydrostatic or otherwise test the sump after repairs have been made. Missing or degraded pipe test/termination fittings will need to be replaced before the test, of course, whether or not the pipe secondary integrity testing is being done at the time.





Reducer & Test Reducer Fittings - 1.25" to 1.9"

Reducer/test reducer fittings are intended to transition from one pipe or cuff surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of outside diameter of pipe. Also available with or without air test and drain valves.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe available
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



INR 1.6x1.25A



Product Number	Product Description	Price
INR 1.25x1.0	Icon Reducer Fitting for 1.25" x 1.0" OD Pipe	\$29
INR 1.25x1.0A	Icon Reducer Fitting for 1.25" x 1.0" OD Pipe w/ Air Test Valve	\$38
INR 1.4x1.25	Icon Reducer Fitting for 1.4" x 1.25" OD Pipe	\$29
INR 1.4x1.25A	Icon Reducer Fitting for 1.4" x 1.25" OD Pipe w/ Air Test Valve	\$38
INR 1.6x1.25	Icon Reducer Fitting for 1.6" x 1.25" OD Pipe (40x32mm)	\$29
INR 1.6x1.25A	Icon Reducer Fitting for 1.6" x 1.25" OD Pipe (40x32mm) w/ Air Test Valve	\$38
INR 1.8x1.4	Icon Reducer Fitting for 1.8" x 1.4" OD Pipe	\$29
INR 1.8x1.4A	Icon Reducer Fitting for 1.8" x 1.4" OD Pipe w/ Air Test Valve	\$38
INR 1.9x1.9	Icon Reducer Fitting for 1.9" x 1.9" OD Pipe	\$29
INR 1.9x1.9A	Icon Reducer Fitting for 1.9" x 1.9" OD Pipe w/ Air Test Valve	\$38

Notes

If you find that your pipe OD specifications are not represented in this list, we can manufacture or custom build the exact specification that you are looking for. Also, Icon Reducing Inserts can be used to make size adjustments to existing fitting designs.





Reducer & Test Reducer Fittings - 2.0" to 2.7"

Reducer/test reducer fittings are intended to transition from one pipe or cuff surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of outside diameter of pipe. Also available with or without air test and drain valves.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe available
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



INR 2.61x2.38LCXA



Product Number	Product Description	Price
INR 2.0x2.0	Icon Reducer Fitting for 2.0" x 2.0" OD Pipe	\$31
INR 2.0x2.0A	Icon Reducer Fitting for 2.0" x 2.0" OD Pipe w/ Air Test Valve	\$40
INR 2.0x2.0S	Icon Reducer Fitting for 2.0" x 2.0" OD Pipe, Short	\$52
INR 2.0x2.0AS	Icon Reducer Fitting for 2.0" x 2.0" OD Pipe w/ Air Test Valve, Short	\$61
INR 2.25x2.0	Icon Reducer Fitting for 2.2" x 2.0" OD Pipe	\$52
INR 2.25x2.0A	Icon Reducer Fitting for 2.2" x 2.0" OD Pipe w/ Air Test Valve	\$61
INR 2.4x1.4	Icon Reducer Fitting for 2.4" x 1.4" OD Pipe	\$31
INR 2.4x1.4A	Icon Reducer Fitting for 2.4" x 1.4" OD Pipe w/ Air Test Valve	\$40
INR 2.5x2.0	Icon Reducer Fitting for 2.5" x 2.0" OD Pipe (63x50mm)	\$31
INR 2.5x2.0A	Icon Reducer Fitting for 2.5" x 2.0" OD Pipe (63x50mm) w/ Air Test Valve	\$40
INR 2.5x2.5	Icon Reducer Fitting for 2.5" x 2.5" OD Pipe	\$31
INR 2.5x2.5A	Icon Reducer Fitting for 2.5" x 2.5" OD Pipe w/ Air Test Valve	\$40
INR 2.5x2.5S	Icon Reducer Fitting for 2.5" x 2.5" OD Pipe, Short	\$63
INR 2.5x2.5AS	Icon Reducer Fitting for 2.5" x 2.5" OD Pipe w/ Air Test Valve, Short	\$72
INR 2.61x2.38LCX	Icon Reducer Fitting for 2.61" x 2.38" OD Pipe, LCX	\$31
INR 2.61x2.38LCXA	Icon Reducer Fitting for 2.61" x 2.38" OD Pipe, LCX w/ Air Test Valve	\$40
INR 2.7x2.7	Icon Reducer Fitting for 2.7" x 2.7" OD Pipe	\$31
INR 2.7x2.7A	Icon Reducer Fitting for 2.7" x 2.7" OD Pipe w/ Air Test Valve	\$40

Notes

If you find that your pipe OD specifications are not represented in this list, we can manufacture or custom build the exact specification that you are looking for. Also, Icon Reducing Inserts can be used to make size adjustments to existing fitting designs.





Reducer & Test Reducer Fittings - 3.0" to 3.7"

Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Also available with or without air test and drain valves.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



INR 3.5x2.4OSDA



Product Number	Product Description	Price
INR 3.0x2.5	Icon Reducer Fitting for 3.0" x 2.5" OD Pipe (75x63mm)	\$45
INR 3.0x2.5A	Icon Reducer Fitting for 3.0" x 2.5" OD Pipe (75x63mm) w/ Air Test Valve	\$54
INR 3.5x1.4	Icon Reducer Fitting for 3.5" x 1.4" OD Pipe	\$45
INR 3.5x1.4A	Icon Reducer Fitting for 3.5" x 1.4" OD Pipe w/ Air Test Valve	\$54
INR 3.5x1.6	Icon Reducer Fitting for 3.5" x 1.6" OD Pipe	\$45
INR 3.5x1.6A	Icon Reducer Fitting for 3.5" x 1.6" OD Pipe w/ Air Test Valve	\$54
INR 3.5x2.4	Icon Reducer Fitting for 3.5" x 2.4" OD Pipe	\$45
INR 3.5x2.4A	Icon Reducer Fitting for 3.5" x 2.4" OD Pipe w/ Air Test Valve	\$54
INR 3.5x2.4DA	Icon Reducer Fitting for 3.5" x 2.4" OD Pipe w/ Drain & Air Test Valves	\$65
INR 3.5x2.4OS	Icon Reducer Fitting for 3.5" x 2.4" OD Pipe, Off-Set	\$67
INR 3.5x2.4OSA	Icon Reducer Fitting for 3.5" x 2.4" OD Pipe, Off-Set w/ Air Test Valve	\$76
INR 3.5x2.4OSDA	Icon Reducer Fitting for 3.5" x 2.4" OD Pipe, Off-Set w/ Drain & Air Test Valves	\$87
INR 3.5x2.7	Icon Reducer Fitting for 3.5" x 2.7" OD Pipe	\$45
INR 3.5x2.7A	Icon Reducer Fitting for 3.5" x 2.7" OD Pipe w/ Air Test Valve	\$54
INR 3.5x3.5	Icon Reducer Fitting for 3.5" x 3.5" OD Pipe	\$45
INR 3.5x3.5A	Icon Reducer Fitting for 3.5" x 3.5" OD Pipe w/ Air Test Valve	\$54
INR 3.72x3.5LCX	Icon Reducer Fitting for 3.72" x 3.5" OD Pipe, LCX	\$45
INR 3.72x3.5LCXA	Icon Reducer Fitting for 3.72" x 3.5" OD Pipe, LCX w/ Air Test Valve	\$54

Notes

If you find that your pipe OD specifications are not represented in this list, we can manufacture or custom build the exact specification that you are looking for. Also, Icon Reducing Inserts can be used to make size adjustments to existing fitting designs.





Reducer & Test Reducer Fittings - 4.0" to 4.5"

Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Also available with or without air test and drain valves.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



INR 4.5x3.5A



Product Number	Product Description	Price
INR 4.0x3.0	Icon Reducer Fitting for 4.0" x 3.0" OD Pipe	\$55
INR 4.0x3.0A	Icon Reducer Fitting for 4.0" x 3.0" OD Pipe w/ Air Test Valve	\$64
INR 4.0x3.5	Icon Reducer Fitting for 4.3" x 3.5" OD Pipe	\$55
INR 4.0x3.5A	Icon Reducer Fitting for 4.3" x 3.5" OD Pipe w/ Air Test Valve	\$64
INR 4.3x1.4	Icon Reducer Fitting for 4.3" x 1.4" OD Pipe	\$55
INR 4.3x1.6	Icon Reducer Fitting for 4.3" x 1.6" OD Pipe	\$55
INR 4.5x2.5	Icon Reducer Fitting for 4.5" x 3.75" x 2.5" OD Pipe	\$55
INR 4.5x2.5A	Icon Reducer Fitting for 4.5" x 3.75" x 2.5" OD Pipe w/ Air Test Valve	\$64
INR 4.5x2.7	Icon Reducer Fitting for 4.5" x 2.7" OD Pipe	\$55
INR 4.5x2.7A	Icon Reducer Fitting for 4.5" x 2.7" OD Pipe w/ Air Test Valve	\$64
INR 4.5x3.5	Icon Reducer Fitting for 4.5" x 3.5" OD Pipe	\$55
INR 4.5x3.5A	Icon Reducer Fitting for 4.5" x 3.5" OD Pipe w/ Air Test Valve	\$64
INR 4.5x3.5DA	Icon Reducer Fitting for 4.5" x 3.5" OD Pipe w/ Drain & Air Test Valves	\$75
INR 4.5x3.5OS	Icon Reducer Fitting for 4.5" x 3.5" OD Pipe, Off-Set	\$78
INR 4.5x3.5OSA	Icon Reducer Fitting for 4.5" x 3.5" OD Pipe, Off-Set w/ Air Test Valve	\$87
INR 4.5x3.5OSDA	Icon Reducer Fitting for 4.5" x 3.5" OD Pipe, Off-Set w/ Drain & Air Test Valves	\$98
INR 4.5x4.5	Icon Reducer Fitting for 4.5" x 4.5" OD Pipe	\$55
INR 4.5x4.5A	Icon Reducer Fitting for 4.5" x 4.5" OD Pipe w/ Air Test Valve	\$64

Notes

If you find that your pipe OD specifications are not represented in this list, we can manufacture or custom build the exact specification that you are looking for. Also, Icon Reducing Inserts can be used to make size adjustments to existing fitting designs.





Reducer & Test Reducer Fittings - 4.6" to 5.5"

Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Also available with or without air test and drain valves.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



INR 4.8x2.5



Product Number	Product Description	Price
INR 4.6x1.9x1.4	Icon Reducer Fitting for 4.6" x 1.9" x 1.4" OD Pipe, Dual Lines	\$95
INR 4.6x1.9x1.4A	Icon Reducer Fitting for 4.6" x 1.9" x 1.4" OD Pipe, Dual Lines w/ Air Test Valve	\$104
INR 4.72x4.5LCX	Icon Reducer Fitting for 4.72" x 4.5" OD Pipe, LCX	\$55
INR 4.72x4.5LCXA	Icon Reducer Fitting for 4.72" x 4.5" OD Pipe, LCX w/ Air Test Valve	\$64
INR 4.8x2.0	Icon Reducer Fitting for 4.8" x 2.0" OD Pipe	\$69
INR 4.8x2.0A	Icon Reducer Fitting for 4.8" x 2.0" OD Pipe w/ Air Test Valve	\$78
INR 4.8x2.25	Icon Reducer Fitting for 4.8" x 2.2" OD Pipe	\$69
INR 4.8x2.25A	Icon Reducer Fitting for 4.8" x 2.2" OD Pipe w/ Air Test Valve	\$78
INR 4.8x2.5	Icon Reducer Fitting for 4.8" x 2.5" OD Pipe	\$69
INR 4.8x2.5A	Icon Reducer Fitting for 4.8" x 2.5" OD Pipe w/ Air Test Valve	\$78
INR 4.9x3.9	Icon Reducer Fitting for 4.9" x 3.9" OD Pipe	\$69
INR 5.0x4.5	Icon Reducer Fitting for 5.0" x 4.5" OD Pipe	\$78
INR 5.25x2.0	Icon Reducer Fitting for 5.25" x 2.0" OD Sump Cuff & Pipe	\$78
INR 5.25x4.5	Icon Reducer Fitting for 5.25" x 4.5" OD Pipe	\$78
INR 5.5x2.0	Icon Reducer Fitting for 5.5" x 2.0" OD Pipe	\$61
INR 5.5x2.25	Icon Reducer Fitting for 5.5 x 2.25" OD Pipe	\$61
INR 5.5x2.5	Icon Reducer Fitting for 5.5" x 2.5" OD Pipe	\$61
INR 5.5x3.5x2.5	Icon Reducer Fitting for 5.5" x 3.5 x 2.5" OD Pipe	\$61

Notes

If you find that your pipe OD specifications are not represented in this list, we can manufacture or custom build the exact specification that you are looking for. Also, Icon Reducing Inserts can be used to make size adjustments to existing fitting designs.





Reducer & Test Reducer Fittings - 5.5" to 6.8"

Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Also available with or without air test and drain valves.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



INR 6.5x3.5



Product Number	Product Description	Price
INR 5.5x2.7	Icon Reducer Fitting for 5.5" x 2.7" OD Pipe	\$61
INR 5.5x3.0	Icon Reducer Fitting for 5.5" x 3.0" OD Pipe	\$61
INR 5.5x3.5	Icon Reducer Fitting for 5.5" x 3.5" OD Pipe	\$61
INR 5.5x3.7	Icon Reducer Fitting for 5.5" x 3.7" OD Pipe	\$61
INR 5.5x4.5	Icon Reducer Fitting for 5.5" x 4.5" OD Pipe	\$61
INR 6.5x2.0	Icon Reducer Fitting for 6.5" x 2.0" OD Pipe	\$69
INR 6.5x2.5	Icon Reducer Fitting for 6.5" x 2.5" OD Pipe	\$69
INR 6.5x2.7	Icon Reducer Fitting for 6.5" x 2.7" OD Pipe	\$69
INR 6.5x3.0	Icon Reducer Fitting for 6.5" x 3.0" OD Pipe	\$69
INR 6.5x3.5	Icon Reducer Fitting for 6.5" x 3.5" OD Pipe	\$69
INR 6.5x4.8	Icon Reducer Fitting for 6.5" x 4.8" OD Pipe	\$69
INR 6.8x4.5	Icon Reducer Fitting for 6.8" x 4.5" OD Pipe	\$78
INR 6.8x4.5A	Icon Reducer Fitting for 6.8" x 4.5" OD Pipe w/ Air Test Valve	\$78
INR 6.8x4.5DA	Icon Reducer Fitting for 6.8" x 4.5" OD Pipe w/ Drain & Air Test Valves	\$89

Notes

If you find that your pipe OD specifications are not represented in this list, we can manufacture or custom build the exact specification that you are looking for. Also, Icon Reducing Inserts can be used to make size adjustments to existing fitting designs.





Reducer & Test Reducer Fittings - 7.5" to 8.8"

Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. The various sizes available can be made to fit any combination of diameter of pipe. Also available with or without air test and drain valves.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- UL 971 Listed
- 5-year warranty



ISR 7.5x4.5



Product Number	Product Description	Price
INR 7.5x3.5	Icon Reducer Fitting for 7.5" x 3.5" OD Pipe	\$78
INR 7.5x4.5	Icon Reducer Fitting for 7.5" x 4.5" OD Pipe	\$78
INR 7.5x4.6x1.9x1.4	Icon Reducer Fitting for 7.5" x 4.6" x 1.9" x 1.4" OD Pipe, Dual Lines	\$96
INR 7.5x4.6x1.9x1.4A	Icon Reducer Fitting for 7.5" x 4.6" x 1.9" x 1.4" OD Pipe, Dual Lines w/ Air Test Valve	\$105
INR 7.5x4.8x2.0	Icon Reducer Fitting for 7.5" x 4.8" x 2.0" OD Pipe	\$96
INR 7.5x4.8x2.5	Icon Reducer Fitting for 7.5" x 4.8" x 2.5" OD Pipe	\$96
INR 7.6x4.5	Icon Reducer Fitting for 7.6" x 4.5" OD Pipe	\$78
INR 7.6x4.8	Icon Reducer Fitting for 7.6" x 4.8" OD Pipe	\$78
INR 8.8x6.8	Icon Reducer Fitting for 8.8" x 6.8" OD Pipe	\$114
INR 8.8x6.8A	Icon Reducer Fitting for 8.8" x 6.8" OD Pipe w/ Air Test Valve	\$123

Notes

If you find that your pipe OD specifications are not represented in this list, we can manufacture or custom build the exact specification that you are looking for. Also, Icon Reducing Inserts can be used to make size adjustments to existing fitting designs.





Alcryn Reducer & Test Reducer Fittings

Icon Reducer/test reducer fittings are intended to transition from one cuff/pipe surface to another pipe surface for the termination or testing of the primary to secondary pipe interstitial. Alcryn Reducer Fittings are available in all standard double wall pipe sizes typical in new construction for fueling operations. Fittings are ready for testing within 1 hour.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Off-set configurations for non-concentric pipe
- Highly flexible material for a sure seal
- With or without air test valve
- Available with a drain valve for FRP pipe-over-pipe sizes



IAR 3.5x2.4A

Product Number	Product Description	Price
IAR 2.61x2.38LCX	Icon Alcryn Reducer Fitting 2.61" x 2.38" OD Pipe	\$31
IAR 2.61x2.38LCXA	Icon Alcryn Reducer Fitting 2.61" x 2.38" OD Pipe w/ Air Test Valve (LCX)	\$40
IAR 2.7x2.7	Icon Alcryn Reducer Fitting 2.7" x 2.7" OD Pipe	\$31
IAR 2.7x2.7A	Icon Alcryn Reducer Fitting 2.7" x 2.7" OD Pipe w/ Air Test Valve	\$40
IAR 3.5x2.4	Icon Alcryn Reducer Fitting 3.5" x 2.4" OD Pipe	\$45
IAR 3.5x2.4A	Icon Alcryn Reducer Fitting 3.5" x 2.4" OD Pipe w/ Air Test Valve	\$54
IAR 3.5x2.4DA	Icon Alcryn Reducer Fitting 3.5" x 2.4" OD Pipe w/ Drain & Air Test Valves	\$62
IAR 3.5x2.4OS	Icon Alcryn Reducer Fitting 3.5" x 2.4" OD Pipe, Off-Set	\$67
IAR 3.5x2.4OSA	Icon Alcryn Reducer Fitting 3.5" x 2.4" OD Pipe, Off-Set w/ Air Test Valve	\$76
IAR 3.5x2.4OSDA	Icon Alcryn Reducer Fitting 3.5" x 2.4" OD Pipe, Off-Set w/ Drain & Air Test Valves	\$87
IAR 3.72x3.5LCX	Icon Alcryn Reducer Fitting 3.72" x 3.5" OD Pipe, LCX	\$45
IAR 3.72x2.5LCXA	Icon Alcryn Reducer Fitting 3.72" x 2.5" OD Pipe, LCX w/ Air Test Valve	\$54
IAR 4.5x3.5	Icon Alcryn Reducer Fitting 4.5" x 3.5" OD Pipe	\$55
IAR 4.5x3.5A	Icon Alcryn Reducer Fitting 4.5" x 3.5" OD Pipe w/ Air Test Valve	\$64
IAR 4.5x3.5DA	Icon Alcryn Reducer Fitting 4.5" x 3.5" OD Pipe w/ Drain & Air Test Valves	\$75
IAR 4.5x3.5OS	Icon Alcryn Reducer Fitting 4.5" x 3.5" OD Pipe, Off-Set	\$78
IAR 4.5x3.5OSA	Icon Alcryn Reducer Fitting 4.5" x 3.5" OD Pipe, Off-Set w/ Air Test Valve	\$87
IAR 4.5x3.5OSDA	Icon Alcryn Reducer Fitting 4.5" x 3.5" OD Pipe, Off-Set w/ Drain & Air Test Valves	\$98
IAR 4.72x4.5LCX	Icon Alcryn Reducer Fitting 4.72" x 4.5" OD Pipe, LCX	\$55
IAR 4.72x4.5LCXA	Icon Alcryn Reducer Fitting 4.72" x 4.5" OD Pipe, LCX w/ Air Test Valve	\$64





SplitRepair Reducing Inserts - 1.4" to 3.5"

Icon SplitRepair reducing inserts are used to reduce the size of the opening of a repair or other type of sump entry/reducer fitting to the specific size of the pipe involved. The IRI part numbers are split and don't require that the pipe end is disconnected for installation. They can be bonded into the receiving fitting with Icon FastFuse solvent. If pipe is significantly offset or nonconcentric, an offset version of these inserts is available under another product catalog page (Offset Reducing Inserts).

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- All fuel types and blends compatible
- 5-year warranty



IRI 2.4x2.0

Product Number	Product Description	Price
IRI 1.4x.84	Icon SplitRepair Reducing Insert for 1.4" ID to .84" OD Pipe	\$19
IRI 1.4x1.0	Icon SplitRepair Reducing Insert for 1.4" ID to 1.0" OD Pipe	\$19
IRI 1.4x1.26	Icon SplitRepair Reducing Insert for 1.4" ID to 1.26" OD Pipe	\$19
IRI 1.6x1.0	Icon SplitRepair Reducing Insert for 1.6" ID to 1.0" OD Pipe	\$19
IRI 1.6x1.25	Icon SplitRepair Reducing Insert for 1.6" ID to 1.26" OD Pipe	\$19
IRI 2.4x1.4	Icon SplitRepair Reducing Insert for 2.4" ID to 1.4" OD Pipe	\$28
IRI 2.4x1.6	Icon SplitRepair Reducing Insert for 2.4" ID to 1.6" OD Pipe	\$28
IRI 2.4x1.8	Icon SplitRepair Reducing Insert for 2.4" ID to 1.8" OD Pipe	\$28
IRI 2.4x1.9	Icon SplitRepair Reducing Insert for 2.4" ID to 1.9" OD Pipe	\$28
IRI 2.4x2.0	Icon SplitRepair Reducing Insert for 2.4" ID to 2.0" OD Pipe	\$28
IRI 3.5x1.4	Icon SplitRepair Reducing Insert for 3.5" ID to 1.4" OD Pipe	\$36
IRI 3.5x1.6	Icon SplitRepair Reducing Insert for 3.5" ID to 1.6" OD Pipe	\$36
IRI 3.5x1.8	Icon SplitRepair Reducing Insert for 3.5" ID to 1.8" OD Pipe	\$36
IRI 3.5x1.9	Icon SplitRepair Reducing Insert for 3.5" ID to 1.9" OD Pipe	\$36
IRI 3.5x2.0	Icon SplitRepair Reducing Insert for 3.5" ID to 2.0" OD Pipe	\$36
IRI 3.5x2.25	Icon SplitRepair Reducing Insert for 3.5" ID to 2.25" OD Pipe	\$36
IRI 3.5x2.5	Icon SplitRepair Reducing Insert for 3.5" ID to 2.5" OD Pipe	\$36
IRI 3.5x2.7	Icon SplitRepair Reducing Insert for 3.5" ID to 2.7" OD Pipe	\$36

Notes

SplitRepair Reducing Inserts do not require the typical 1-hour cure time if installed right before the final assembly of a SplitRepair fitting boot. Simply liberally apply Icon FastFuse to the insert, place it in the receiving fitting, and assemble the fitting properly. At that point you can tighten the band clamps and the insert will bond into the fitting permanently. Testing can begin immediately after the installation of the fitting.





SplitRepair Reducing Inserts - 3.9" to 6.8"

Icon SplitRepair reducing inserts are used to reduce the size of the opening of a repair or other type of sump entry/reducer fitting to the specific size of the pipe involved. The IRI part numbers are split and don't require that the pipe end is disconnected for installation. They can be bonded into the receiving fitting with Icon FastFuse solvent. If pipe is significantly offset or nonconcentric, an offset version of these inserts is available under another product catalog page (Offset Reducing Inserts).

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- All fuel types and blends compatible
- 5-year warranty



IRI 3.9x3.5

Product Number	Product Description	Price
IRI 3.9x1.8	Icon SplitRepair Reducing Insert for 3.9" ID to 1.8" OD Pipe	\$42
IRI 3.9x1.9	Icon SplitRepair Reducing Insert for 3.9" ID to 1.9" OD Pipe	\$42
IRI 3.9x2.0	Icon SplitRepair Reducing Insert for 3.9" ID to 2.0" OD Pipe	\$42
IRI 3.9x2.25	Icon SplitRepair Reducing Insert for 3.9" ID to 2.25" OD Pipe	\$42
IRI 3.9x2.5	Icon SplitRepair Reducing Insert for 3.9" ID to 2.5" OD Pipe	\$42
IRI 3.9x2.7	Icon SplitRepair Reducing Insert for 3.9" ID to 2.7" OD Pipe	\$42
IRI 3.9x3.0	Icon SplitRepair Reducing Insert for 3.9" ID to 3.0" OD Pipe	\$42
IRI 3.9x3.5	Icon SplitRepair Reducing Insert for 3.9" ID to 3.5" OD Pipe	\$42
IRI 3.9x3.7	Icon SplitRepair Reducing Insert for 3.9" ID to 3.7" OD Pipe	\$42
IRI 4.5x2.0	Icon SplitRepair Reducing Insert for 4.5" ID to 2.0" OD Pipe	\$49
IRI 4.5x2.25	Icon SplitRepair Reducing Insert for 4.5" ID to 2.2" OD Pipe	\$49
IRI 4.5x2.5	Icon SplitRepair Reducing Insert for 4.5" ID to 2.5" OD Pipe	\$49
IRI 4.5x2.7	Icon SplitRepair Reducing Insert for 4.5" ID to 2.7" OD Pipe	\$49
IRI 4.5x2.8	Icon SplitRepair Reducing Insert for 4.5" ID to 2.8" OD Pipe	\$49
IRI 4.5x3.0	Icon SplitRepair Reducing Insert for 4.5" ID to 3.0" OD Pipe	\$49
IRI 4.5x3.3	Icon SplitRepair Reducing Insert for 4.5" ID to 3.3" OD Pipe	\$49
IRI 4.5x3.5	Icon SplitRepair Reducing Insert for 4.5" ID to 3.5" OD Pipe	\$49
IRI 4.5x3.7	Icon SplitRepair Reducing Insert for 4.5" ID to 3.7" OD Pipe	\$49
IRI 6.8x4.5	Icon SplitRepair Reducing Insert for 6.8" ID to 4.5" OD Pipe	\$73
IRI 6.8x5.0	Icon SplitRepair Reducing Insert for 6.8" ID to 5.0" OD Pipe	\$73
IRI 6.8x6.3	Icon SplitRepair Reducing Insert for 6.8" ID to 6.3" OD Pipe	\$73

Notes

SplitRepair Reducing Inserts do not require the typical 1-hour cure time if installed right before the final assembly of a SplitRepair fitting boot. Simply liberally apply Icon FastFuse to the insert, place it in the receiving fitting, and assemble the fitting properly. At that point you can tighten the band clamps and the insert will bond into the fitting permanently. Testing can begin immediately after the installation of the fitting.





Icon Reducing Inserts - 1.4" to 3.5"

Icon reducing inserts are used to reduce the size of the opening of a repair or other type of sump entry/reducer fitting to the specific size of the pipe involved. The INI part numbers are non-split and require that the pipe end is disconnected for installation. They can be bonded into the receiving fitting with Icon FastFuse solvent. If pipe is significantly offset or nonconcentric, an offset version of these inserts is available under another product catalog page (Offset Reducing Inserts).

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- All fuel types and blends compatible
- 5-year warranty



INI3.5x3.0

Product Number	Product Description	Price
INI 1.4x.84	Icon Reducing Insert for 1.4" ID to .84" OD Pipe	\$19
INI 1.4x1.0	Icon Reducing Insert for 1.4" ID to 1.0" OD Pipe	\$19
INI 1.4x1.26	Icon Reducing Insert for 1.4" ID to 1.26" OD Pipe	\$19
INI 1.6x1.0	Icon Reducing Insert for 1.6" ID to 1.0" OD Pipe	\$19
INI 1.6x1.25	Icon Reducing Insert for 1.6" ID to 1.26" OD Pipe	\$19
INI 2.4x1.4	Icon Reducing Insert for 2.4" ID to 1.4" OD Pipe	\$28
INI 2.4x1.6	Icon Reducing Insert for 2.4" ID to 1.6" OD Pipe	\$28
INI 2.4x1.8	Icon Reducing Insert for 2.4" ID to 1.8" OD Pipe	\$28
INI 2.4x1.9	Icon Reducing Insert for 2.4" ID to 1.9" OD Pipe	\$28
INI 2.4x2.0	Icon Reducing Insert for 2.4" ID to 2.0" OD Pipe	\$28
INI 3.5x1.4	Icon Reducing Insert for 3.5" ID to 1.4" OD Pipe	\$36
INI 3.5x1.6	Icon Reducing Insert for 3.5" ID to 1.6" OD Pipe	\$36
INI 3.5x1.8	Icon Reducing Insert for 3.5" ID to 1.8" OD Pipe	\$36
INI 3.5x1.9	Icon Reducing Insert for 3.5" ID to 1.9" OD Pipe	\$36
INI 3.5x2.0	Icon Reducing Insert for 3.5" ID to 2.0" OD Pipe	\$36
INI 3.5x2.25	Icon Reducing Insert for 3.5" ID to 2.25" OD Pipe	\$36
INI 3.5x2.5	Icon Reducing Insert for 3.5" ID to 2.5" OD Pipe	\$36
INI 3.5x2.7	Icon Reducing Insert for 3.5" ID to 2.7" OD Pipe	\$36

Notes

If ordering FastFuse, volume of material use with fittings on this page is as follows:
FastFuse - 1 can per 20 fittings





Icon Reducing Inserts - 3.9" to 6.8"

Icon reducing inserts are used to reduce the size of the opening of a repair or other type of sump entry/reducer fitting to the specific size of the pipe involved. The INI part numbers are non-split and require that the pipe end is disconnected for installation. They can be bonded into the receiving fitting with Icon FastFuse solvent. If pipe is significantly offset or nonconcentric, an offset version of these inserts is available under another product catalog page (Offset Reducing Inserts).

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- All fuel types and blends compatible
- 5-year warranty



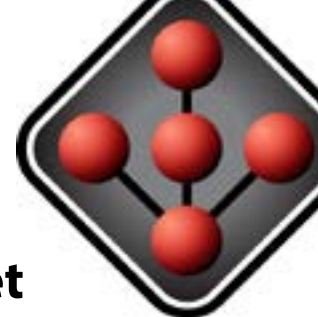
INI3.9x3.7

Product Number	Product Description	Price
INI 3.9x1.8	Icon Reducing Insert for 3.9" ID to 1.8" OD Pipe	\$42
INI 3.9x1.9	Icon Reducing Insert for 3.9" ID to 1.9" OD Pipe	\$42
INI 3.9x2.0	Icon Reducing Insert for 3.9" ID to 2.0" OD Pipe	\$42
INI 3.9x2.25	Icon Reducing Insert for 3.9" ID to 2.25" OD Pipe	\$42
INI 3.9x2.5	Icon Reducing Insert for 3.9" ID to 2.5" OD Pipe	\$42
INI 3.9x2.7	Icon Reducing Insert for 3.9" ID to 2.7" OD Pipe	\$42
INI 3.9x3.0	Icon Reducing Insert for 3.9" ID to 3.0" OD Pipe	\$42
INI 3.9x3.5	Icon Reducing Insert for 3.9" ID to 3.5" OD Pipe	\$42
INI 3.9x3.7	Icon Reducing Insert for 3.9" ID to 3.7" OD Pipe	\$42
INI 4.5x2.0	Icon Reducing Insert for 4.5" ID to 2.0" OD Pipe	\$49
INI 4.5x2.25	Icon Reducing Insert for 4.5" ID to 2.2" OD Pipe	\$49
INI 4.5x2.5	Icon Reducing Insert for 4.5" ID to 2.5" OD Pipe	\$49
INI 4.5x2.7	Icon Reducing Insert for 4.5" ID to 2.7" OD Pipe	\$49
INI 4.5x2.8	Icon Reducing Insert for 4.5" ID to 2.8" OD Pipe	\$49
INI 4.5x3.0	Icon Reducing Insert for 4.5" ID to 3.0" OD Pipe	\$49
INI 4.5x3.3	Icon Reducing Insert for 4.5" ID to 3.3" OD Pipe	\$49
INI 4.5x3.5	Icon Reducing Insert for 4.5" ID to 3.5" OD Pipe	\$49
INI 4.5x3.7	Icon Reducing Insert for 4.5" ID to 3.7" OD Pipe	\$49
INI 6.8x4.5	Icon Reducing Insert for 6.8" ID to 4.5" OD Pipe	\$73
INI 6.8x5.0	Icon Reducing Insert for 6.8" ID to 5.0" OD Pipe	\$73
INI 6.8x6.3	Icon Reducing Insert for 6.8" ID to 6.3" OD Pipe	\$73

Notes

If ordering FastFuse, volume of material use with fittings on this page is as follows:
FastFuse - 1 can per 20 fittings





SplitRepair Off-Set Reducing Inserts & Wedge Gasket

In a perfect world, all pipe will have been installed perfectly centered through sump entry fittings. The reality is that many holes were oversized, and many sleeved or pipe-over-pipe applications didn't use centralizing spacers, allowing gravity to do its work and pipe to lay to the side or the bottom. Often the pipe has an angled entry as well. Icon SplitRepair Off-Set Reducing Inserts and Wedge are used with any of the Icon SplitRepair fittings designs to provide an accommodation for the non-concentric or angled pipe entry.

FEATURES & BENEFITS

- SplitRepair means no disconnecting of pipe necessary
- Permanently split-bonded with Icon FastFuse in 1 hour
- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- 5-year warranty



IRI 8BWEDGE



IRI 4.5x2.5OS

Product Number	Product Description	Price
IRI 3.5x1.4OS	Icon SplitRepair Reducing Insert for 3.5" ID to 1.4" OD Pipe, Off-Set Design	\$47
IRI 3.5x1.6OS	Icon SplitRepair Reducing Insert for 3.5" ID to 1.6" OD Pipe, Off-Set Design	\$47
IRI 3.5x1.9OS	Icon SplitRepair Reducing Insert for 3.5" ID to 1.9" OD Pipe, Off-Set Design	\$47
IRI 3.5x2.0OS	Icon SplitRepair Reducing Insert for 3.5" ID to 2.0" OD Pipe, Off-Set Design	\$47
IRI 3.5x2.25OS	Icon SplitRepair Reducing Insert for 3.5" ID to 2.25" OD Pipe, Off-Set Design	\$47
IRI 3.5x2.5OS	Icon SplitRepair Reducing Insert for 3.5" ID to 2.5" OD Pipe, Off-Set Design	\$47
IRI 3.5x2.7OS	Icon SplitRepair Reducing Insert for 3.5" ID to 2.7" OD Pipe, Off-Set Design	\$47
IRI 3.9x1.9OS	Icon SplitRepair Reducing Insert for 3.9" ID to 1.9" OD Pipe, Off-Set Design	\$52
IRI 3.9x2.0OS	Icon SplitRepair Reducing Insert for 3.9" ID to 2.0" OD Pipe, Off-Set Design	\$52
IRI 3.9x2.25OS	Icon SplitRepair Reducing Insert for 3.9" ID to 2.25" OD Pipe, Off-Set Design	\$52
IRI 3.9x2.5OS	Icon SplitRepair Reducing Insert for 3.9" ID to 2.5" OD Pipe, Off-Set Design	\$52
IRI 3.9x2.7OS	Icon SplitRepair Reducing Insert for 3.9" ID to 2.7" OD Pipe, Off-Set Design	\$52
IRI 4.5x2.0OS	Icon SplitRepair Reducing Insert for 4.5" ID to 2.0" OD Pipe, Off-Set Design	\$57
IRI 4.5x2.25OS	Icon SplitRepair Reducing Insert for 4.5" ID to 2.25" OD Pipe, Off-Set Design	\$57
IRI 4.5x2.5OS	Icon SplitRepair Reducing Insert for 4.5" ID to 2.5" OD Pipe, Off-Set Design	\$57
IRI 4.5x2.7OS	Icon SplitRepair Reducing Insert for 4.5" ID to 2.7" OD Pipe, Off-Set Design	\$57
IRI 4.5x3.0OS	Icon SplitRepair Reducing Insert for 4.5" ID to 3.0" OD Pipe, Off-Set Design	\$57
IRI 6.8x3.5OS	Icon SplitRepair Reducing Insert for 6.8" ID to 3.5" OD Pipe, Off-Set Design	\$80
IRI 8BWEDGE	Icon SplitRepair Wedge Gasket, 7.5° Angle, 8-Bolt Design for Encapsulation & Flange Fittings	\$73

Notes

When using a SplitRepair Off-Set Reducing Insert, it is not necessary to bond the split of the insert before installation assembly. Immediately prior to the assembly of the cured, split-bonded fitting body, apply Icon FastFuse to the Reducing Insert and place into the fitting. At that point finish placing the entire fitting assembly in place, making sure all parts are seated properly. Tighten the band clamp down sufficiently to hold the opening and insert in place until the bonding solvent is sufficiently cured.





Icon Off-Set Reducing Inserts & Wedge Gasket

In a perfect world, all pipe will have been installed perfectly centered through sump entry fittings. The reality is that many holes were oversized, and many sleeved or pipe-over-pipe applications didn't use centralizing spacers, allowing gravity to do its work and pipe to lay to the side or the bottom. Often the pipe has an angled entry as well. Icon Off-Set Reducing Inserts and Wedge are used with any of the Icon fittings designs to provide an accommodation for the non-concentric or angled pipe entry.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Any size transition is available
- Off-set configurations for non-concentric pipe
- All fuel types and blends compatible
- 5-year warranty



INI 8BWEDGE



INI 4.5x2.5OS

Product Number	Product Description	Price
INI 3.5x1.4OS	Icon Reducing Insert for 3.5" ID to 1.4" OD Pipe, Off-Set Design	\$47
INI 3.5x1.6OS	Icon Reducing Insert for 3.5" ID to 1.6" OD Pipe, Off-Set Design	\$47
INI 3.5x1.9OS	Icon Reducing Insert for 3.5" ID to 1.9" OD Pipe, Off-Set Design	\$47
INI 3.5x2.0OS	Icon Reducing Insert for 3.5" ID to 2.0" OD Pipe, Off-Set Design	\$47
INI 3.5x2.25OS	Icon Reducing Insert for 3.5" ID to 2.25" OD Pipe, Off-Set Design	\$47
INI 3.5x2.5OS	Icon Reducing Insert for 3.5" ID to 2.5" OD Pipe, Off-Set Design	\$47
INI 3.5x2.7OS	Icon Reducing Insert for 3.5" ID to 2.7" OD Pipe, Off-Set Design	\$47
INI 3.9x1.9OS	Icon Reducing Insert for 3.9" ID to 1.9" OD Pipe, Off-Set Design	\$52
INI 3.9x2.0OS	Icon Reducing Insert for 3.9" ID to 2.0" OD Pipe, Off-Set Design	\$52
INI 3.9x2.25OS	Icon Reducing Insert for 3.9" ID to 2.25" OD Pipe, Off-Set Design	\$52
INI 3.9x2.5OS	Icon Reducing Insert for 3.9" ID to 2.5" OD Pipe, Off-Set Design	\$52
INI 3.9x2.7OS	Icon Reducing Insert for 3.9" ID to 2.7" OD Pipe, Off-Set Design	\$52
INI 4.5x2.0OS	Icon Reducing Insert for 4.5" ID to 2.0" OD Pipe, Off-Set Design	\$57
INI 4.5x2.25OS	Icon Reducing Insert for 4.5" ID to 2.25" OD Pipe, Off-Set Design	\$57
INI 4.5x2.5OS	Icon Reducing Insert for 4.5" ID to 2.5" OD Pipe, Off-Set Design	\$57
INI 4.5x2.7OS	Icon Reducing Insert for 4.5" ID to 2.7" OD Pipe, Off-Set Design	\$57
INI 4.5x3.0OS	Icon Reducing Insert for 4.5" ID to 3.0" OD Pipe, Off-Set Design	\$57
INI 6.8x3.5OS	Icon Reducing Insert for 6.8" ID to 3.5" OD Pipe, Off-Set Design	\$80
INI 8BWEDGE	Icon Wedge Gasket, 7.5° Angle, 8-Bolt Design for Encapsulation & Flange Fittings	\$73

Notes

If bonding an Icon Off-Set Reducing Insert into the receiving fitting, you may do so right before the final installation assembly. At that point finish the fitting assembly, making sure all parts are seated properly. Tighten the band clamp down sufficiently to hold the opening and insert in place until the bonding solvent is sufficiently cured. Testing can begin immediately after you tighten the band clamp.





Icon **Split**Repair Plug Inserts

Icon Plug Inserts are used in applications where a fitting is being sealed off, or more commonly, when a customized pipe entry insert needs to be created in the field. In combination with an Icon hole saw blade, the plug can be cored to match the pipe diameter, position, and entry angle for a custom insert to match the circumstances. Plugs are a useful tool when no other manufactured fitting design is specific to the sump entry fitting requirements.

FEATURES & BENEFITS

- Testing can proceed immediately after installation
- Sizes to accomodate any standard fitting opening
- Customizable to fit any entry requirement
- All fuel types and blends compatible
- 5-year warranty



IRI 3.5xPlug

Product Number	Product Description	Price
IRI 1.4xPlug	Icon Repair Insert 1.4" Plug	\$52
IRI 1.6xPlug	Icon Repair Insert 1.6" Plug	\$52
IRI 2.4xPlug	Icon Repair Insert 2.4" Plug	\$61
IRI 3.5xPlug	Icon Repair Insert 3.5" Plug	\$67
IRI 3.9xPlug	Icon Repair Insert 3.9" Plug	\$72
IRI 4.5xPlug	Icon Repair Insert 4.5" Plug	\$72
IRI 6.8xPlug	Icon Repair Insert 6.8" Plug	\$85

Notes

When hole coring a plug, it is best to have iced or frozen the plug prior to cutting so that you have a cleaner cut with less surface melt due to the friction heat created by the blade. Once cored, you can split at the thinner side of your newly created custom insert so that it can split bond around the pipe without disconnection.





SplitRepair Caps, Centralizers/Dam Stops, & Duct Seals

Icon manufactures the following parts as solutions for specific fitting applications:

Caps: Use to seal off fitting and pipe that has been pulled or terminated in the sump. Caps can be customized to fit specific dimensions that are required.

Centralizers/Dam Stops: Use to seal off ducting and centralize pipe within ducting and other pipe.

Duct Seals: Use over ducting to seal off the open ribs and provide a larger platform for a fitting seal.

FEATURES & BENEFITS

- Split bonded in as little as 1 hour
- Test immediately after installation
- All fuel types and blends compatible
- 5-year warranty



IPC5.5



IRI2.0xDamStop



IRI4.0xDuctSeal

Product Number	Product Description	Price
IPC 3.5	Icon Pipe Cap 3.5"	\$45
IPC 5.5	Icon Pipe Cap 5.5"	\$55
IPC 7.5	Icon Pipe Cap 7.5"	\$65
IRI 2.0xDamStop	Icon SplitRepair Centralizer/Dam Stop for 4" Ducting and 2.0" OD Pipe	\$59
IRI 2.2xDamStop	Icon SplitRepair Centralizer/Dam Stop for 4" Ducting and 2.2" OD Pipe	\$59
IRI 2.5xDamStop	Icon SplitRepair Centralizer/Dam Stop for 4" Ducting and 2.5" OD Pipe	\$59
IRI 2.7xDamStop	Icon SplitRepair Centralizer/Dam Stop for 4" Ducting and 2.7" OD Pipe	\$59
IRI 3.0xDamStop	Icon SplitRepair Centralizer/Dam Stop for 4" Ducting and 3.0" OD Pipe	\$59
IRI 3.5xDamStop	Icon SplitRepair Centralizer/Dam Stop for 4" Ducting and 3.5" OD Pipe	\$59
IRI 3.0xDuctSeal	Icon SplitRepair Duct Seal for 3" Ducting	\$18
IRI 4.0xDuctSeal	Icon SplitRepair Duct Seal for 4" Ducting	\$18
IRI 5.0xDuctSeal	Icon SplitRepair Duct Seal for 5" Ducting	\$25





Icon Caps, Centralizers/Dam Stops, & Duct Seals

Icon manufactures the following parts as solutions for specific fitting applications:

Caps: Use to seal off fitting and pipe that has been pulled or terminated in the sump. Caps can be customized to fit specific dimensions that are required.

Centralizers/Dam Stops: Use to seal off ducting and centralize pipe within ducting and other pipe.

Duct Seals: Use over ducting to seal off the open ribs and provide a larger platform for a fitting seal.

FEATURES & BENEFITS

- Test immediately after installation
- All fuel types and blends compatible
- 5-year warranty



IPC5.5



INI2.0xDamStop



INI4.0xDuctSeal

Product Number	Product Description	Price
IPC 3.5	Icon Pipe Cap 3.5"	\$45
IPC 5.5	Icon Pipe Cap 5.5"	\$55
IPC 7.5	Icon Pipe Cap 7.5"	\$65
INI 2.0xDamStop	Icon Centralizer/Dam Stop for 4" Ducting and 2.0" OD Pipe	\$59
INI 2.2xDamStop	Icon Centralizer/Dam Stop for 4" Ducting and 2.2" OD Pipe	\$59
INI 2.5xDamStop	Icon Centralizer/Dam Stop for 4" Ducting and 2.5" OD Pipe	\$59
INI 2.7xDamStop	Icon Centralizer/Dam Stop for 4" Ducting and 2.7" OD Pipe	\$59
INI 3.0xDamStop	Icon Centralizer/Dam Stop for 4" Ducting and 3.0" OD Pipe	\$59
INI 3.5xDamStop	Icon Centralizer/Dam Stop for 4" Ducting and 3.5" OD Pipe	\$59
INI 3.0xDuctSeal	Icon Duct Seal for 3" Ducting	\$18
INI 4.0xDuctSeal	Icon Duct Seal for 4" Ducting	\$18
INI 5.0xDuctSeal	Icon Duct Seal for 5" Ducting	\$25





FastFuse Split Fitting Bonding Solvent

Icon FastFuse solvent is specifically designed for the split-bonding of Icon SplitRepair flexible compression seal fittings. The advantage of a SplitRepair fitting is that the pipe doesn't have to be disconnected to repair/replace a leaking fitting. FastFuse provides a permanent adhesive bond of the ProTex fitting material that makes the repair possible. As the most critical step in the SplitRepair installation process, it's important that FastFuse is applied properly (see notes below).

FEATURES & BENEFITS

- Used with Icon SplitRepair fittings to eliminate disconnecting pipe
- Sufficiently bonded after a 1-hour cure
- Immediate testing after installation possible
- Unique blended solvent, specific to Icon ProTex material fittings
- 4oz can with dauber applicator
- Up to 6-month shelf life



Product Number	Product Description	Price
IAC FASTFUSE	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can	\$82
IACFASTFUSE-CASE	Icon FastFuse Split Fitting Bonding Solvent, 4oz Can, Case of 10	\$770

Properties

Color	Clear
Viscosity	low, highly liquid
Worklife (room temp)	1-2 min
Time to Full Cure	1 hr
Application Temp (in sump)	0° F to 120° F
Thermal Service Range	-55° F to 230° F
Elongation	45%
Fuel Resistance	Excellent

Storage

Store can in a cool, dry place out of direct light. When stored as recommended in the original unopened container, FastFuse has a 6-month or longer shelf life from package date. Condition material to 65° F to 75° F before using. FastFuse evaporates quickly, so to retain its properties, immediately replace lid after each application and store can on its lid.

General Instructions

FastFuse is the solvent that provides the permanent adhesion of split Icon fitting parts when applied properly as follows:

1. Clean the split surface of the Icon fitting part with alcohol or acetone
2. Quickly and liberally apply FastFuse to the split area
3. Immediately put the split part together and hold without movement for 2-4 minutes
4. Leave in place for a full hour before handling bonded part for any remaining installation steps

NOTE: When using solvents, be sure to extinguish all ignition sources and follow all typical safety regulations, including proper air ventilation. A Type A filter is appropriate for FastFuse.

Important Notice

ICON MAKES NO WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Given the variety of factors that can affect the use and performance of the product, some of which are uniquely within the user's knowledge and control, user is responsible for determining if FastFuse is suitable for a particular purpose and method of application. If the FastFuse purchased is proved to be defective, THE EXCLUSIVE REMEDY, AT ICON'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR REPLACE THE ORIGINAL CARTRIDGE OF PRODUCT PURCHASED. Icon shall not otherwise be liable for loss or damages, direct, indirect, special, incidental, or consequential, regardless of any legal theory asserted, including but not limited to, contract, negligence, warranty, or strict liability.





SikaFlex®-1a

SikaFlex®-1a is a premium-grade, high performance, single-part elastomeric sealant. It is the minimum specified product for use as a gasket sealant with all Icon SplitRepair fitting products. Icon has found through testing that SikaFlex®-1a is more durable and fuel resistant than other similarly designed products. Approved by Sika Corp. for the specific application with Icon UL listed fittings.

FEATURES & BENEFITS

- Excellent long-term elasticity after cure
- Great adhesive properties
- Easy to apply with excellent workability
- Superior fuel and chemical resistance
- Available in multiple colors
- 12-month shelf life



Product Number	Product Description	Price
IAC SIKAI10	Sikaflex-1a Fitting Sealant, 10oz Tube Black	\$10
IAC SIKAI10-CASE	Sikaflex-1a Fitting Sealant, 10oz Tube Black, Case of 24	\$201
IAC MGUN10	Manual Dispensing Gun for 10oz Tube Products, Industrial Quality	\$45
IAC PGUN10	Pneumatic Dispensing Gun for 10oz Tube Products, Industrial Quality	\$71

Properties

Color	Variable
Worklife (room temp)	1 hrs
Time to Full Cure	4 days
Application Temp (in sump)	0° F to 120° F
Thermal Service Range	-40° F to 170° F
Fuel Resistance	Good

Performance Properties (typical)

Tear Strength (ASTM D-624)	55 lb/in
Tensile Properties (ASTM D-412)	
21-Day Tensile Stress	175 psi
Elongation at Break	550%
Modulus of Elasticity	
25%	35 psi
50%	60 psi
100%	85 psi

Storage

Store at 40° F to 90° F in a dry, well-ventilated area. When stored as recommended, an unopened cartridge has a 12-month shelf life. Condition material to 65° F to 75° F before using.

General Instructions

Clean all surfaces of residues and any other foreign matter. Follow Icon's instructions for application with Icon products.

NOTE: When using solvents, be sure to extinguish all ignition sources and follow all typical safety regulations.

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PetrolSeal Sealant

Icon PetrolSeal is a two-part, elastomeric polysulfied sealant designed for sealing, filling, and coating applications in fuel containment systems. It's typically used as a gasket sealant or boot filler with Icon SplitRepair fittings. Also, when applied as a coating for metal sump equipment (STP, pipe fittings, etc.), it is a highly effective corrosion inhibitor. PetrolSeal is compatible with all fuel types and blends, and has a long history of successful performance in fuel system applications.

FEATURES & BENEFITS

- Adhesive to all UST/AST system materials
- Fast curing
- Dispensed cartridges for easy application
- Available in multiple sizes/volume
- All fuel types and blends compatible
- 1-year shelf life



Product Number	Product Description	Price
IAC PS200	Icon PetrolSeal Sealant, 200ml Cartridge	\$89
IAC PS400	Icon PetrolSeal Sealant, 400ml Cartridge	\$130
IAC PSQT	Icon PetrolSeal Sealant, 1 Quart Pail	\$195
IAC PSGL	Icon PetrolSeal Sealant, 1.5 Gallon Pail Kit	\$295
IAC MGUN200	Manual Dispensing Gun for 200/250ml Cartridge Products with 6:1 or 10:1 Mixing Ratio, Industrial Quality	\$179
IAC MGUN400	Manual Dispensing Gun for 400ml Cartridge Products with 6:1 Mixing Ratio, Industrial Quality	\$197

Properties

Color	Gray
Viscosity	Gel-like, self-leveling
Mix Ratio	6:1
Worklife (room temp)	15 min
Time to Full Cure	2 hr *
Application Temp (in sump)	0° F to 120° F
Thermal Service Range	-40° F to 200° F
Elongation	200%
Fuel Resistance	Excellent

* Full cure is not required for some applications. Refer to Icon training.

Storage

Store container in a cool, dry place out of direct light. When stored as recommended in the original unopened container, PetrolSeal has a 1-year or longer shelf life from package date. Condition material to 65° F to 75° F before using.

General Instructions

For best results, prior to applying PetrolSeal to substrate, clean the surface of all contaminants or loose material with isopropyl alcohol or acetone.

1. Follow the specific mixing instructions that are supplied with the PetrolSeal containers
2. Apply to substrate or in the application as needed

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FastFill Fitting Filler

Icon FastFill is a two-part, low-viscosity, and rapid-setting, flexible polyurea-based filler designed to seal and fill voids, typically for Icon SplitRepair fittings. The initial viscosity and self-leveling property makes it easy to dispense and inject into fittings for a complete fill. FastFill gels within 15 minutes and is ready for testing at that point. FastFill is all fuels and blends compatible as a secondary seal to UL listed Icon SplitRepair fittings.

FEATURES & BENEFITS

- Self-leveling, low initial viscosity for easy placement
- Rapid setting 15-min to gel, and 90-min to solid
- Remains flexible to handle typical sump movement
- Great adhesive properties
- 20oz cartridge, 1:1 mix ratio
- All fuels and blends compatible as secondary seal
- Up to 1-year shelf life



Product Number	Product Description	Price
IAC FASTFILL	Icon FastFill Rapid-Setting Fitting Filler, 20oz Cartridge	\$79
IAC MGUN50	Manual Dispensing Gun for 50ml Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$71
IAC PGUN20	Pneumatic Dispensing Gun for 20oz Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$326

Properties

Color	Black
Viscosity	Low, similar to motor oil
Mix Ratio	1:1
Worklife (room temp)	5-8 min
Time to Full Cure	15 min to gel, 90 min to solid state
Application Temp (in sump)	0° F to 120° F
Thermal Service Range	-45° F to 250° F
Elongation	45%
Fuel Resistance	Good
Tensile Strength (ASTM D412)	2300 psi
Hardness (ASTM D2240)	40-45 A Shore

Storage

Store cartridge in a cool, dry place out of direct light. When stored as recommended in the original unopened container, FastFill has a 1-year or longer shelf life from package date. Condition material to 65° F to 75° F before using.

General Instructions

FastFill should be injected into the fill ports of Icon Encapsulation and other fill designed fittings, or dispensed and placed however it is required for use. If you are dispensing 3 cartridges or more at a time, the pneumatic dispensing gun is recommended. The initial viscosity is very low and the material is self-leveling.

1. Inject FastFill until the material begins to exit the vent port
2. Clamp off the vent port with supplied clip
3. Continue to dispense in the fill port until completely filled
4. Clamp off the fill port with the supplied clip

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VH Eliminator Vapor/Humidity Absorbant

Icon's VH Eliminator is a unique blend of materials that absorb free fuel/fuel additive vapors, humidity, and the vapors encapsulated in humidity that become the basis for corrosion in a sump.

FEATURES & BENEFITS

- Significantly reduces the corrosive environment
- Effective for a 2-3 month period
- Remove when indicator shows saturation
- Disposed of like dispenser fuel filters
- Minimal cost for an easy and effective solution
- Highly effective in combination with Icon PetroSeal
- Simply open plastic packaging and set bags on STP



Product Number	Product Description	Price
IAC VHA200	Icon Vapor/Humidity Eliminating Absorbant, 2-1lb Bags	\$45

Notes

It is important to keep water out of a sump, but even when sealed and leak free, the sump environment is subject to vapor releases and ambient humidity which combine and condense on the submersible tank pumps and other equipment inside a sump causing corrosion. Also, ethanol fuel vapors add food for microbial elements that have proven to be a major contributing cause of corrosion.





Secondary Line Testing Kits & Parts

Icon can provide pre-assembled kits for secondary line integrity pressure testing. We have both standard and custom kits available for your testing project. If you'd rather build your own in the field, we'll supply the highly durable components. These kits can be left in the sump in various configurations, and we've never found them to degrade in any way over many years of use. These testing kits are commonly used with Icon's SplitRepair Reducer fittings as a replacement to degraded or absent test fittings. SplitRepair Reducer fittings are available for all pipe brands and sizes.

FEATURES & BENEFITS

- Pre-assembled and ready for use
- Standard and custom configurations available
- Cost competitive, high quality, durable materials
- Install and be testing immediately
- Easily attached and easily removed
- 5-year warranty



IMC LTStandard



IMC LTSingle

Product Number	Product Description	Price
IMC LTStandard	Icon Pre-Assembled Secondary Line Testing Standard UDC Jumper Kit	\$32
IMC LTSingle	Icon Pre-Assembled Secondary Line Testing Single Kit w/ Valve	\$58
IMC LTDDouble	Icon Pre-Assembled Secondary Line Testing Double Kit w/ Valve	\$95
IMC LTCustom	Icon Pre-Assembled Custom Line Testing Kits	Per Quote
IMC LTPVA	Icon Secondary Line Testing Pressure Valve Assembly	Per Quote
IMC TTubing	Tygon Tubing, Per Foot	\$4
IMC HDAClamp	Heavy Duty Alligator Clamp	\$1
IMC BBTFitting	Brass Barb "T" Fitting	\$7
IMC BValveKit	Ball Valve Kit, Including (2) Brass Barb Threaded Adaptors	\$19
IMC BBSCap	Brass Barb Schraeder Cap	\$2





Water Blockers

Active water intrusion through leaks in sumps is an obstacle to the repair of the sump. When the water table is high, and repair is required, there are only a few options to resolve the leak in that condition. Pumping down the water table can be problematic and expensive, depending upon the site. Icon FastFoam and WetWeld are unique and effective tools to cost effectively block the water leak, and temporarily create a dry sump environment so that a permanent leak repair can be installed.

FastFoam is a two-part, instant water blocking urethane foam that is injected from the inside of the sump to the outside, specifically where the leak is occurring, in order to create a temporary foam block that can stop the water intrusion immediately. When appropriately applied in the right volume, it is highly effective, even when the water pressure is high. It is fully expanded and firm within 15-30 seconds.

WetWeld is an acrylic based, two-part putty sealant that has adhesive and curing properties in a wet environment. It is used as a block for small volume, low pressure leaks. It is often used in combination with FastFoam depending upon the circumstances. Both products allow a faster and less expensive approach to sump water intrusion issues that would otherwise prevent a repair at that time.

FEATURES & BENEFITS

- Instant activation and results
- Inexpensive and easy to apply solutions
- More cost effective than pumping water table
- Quicker repair time
- Free training on applications available
- 1-year shelf life



Product Number	Product Description	Price
IAC FFOAM50	FastFoam Instant Water Block, 50ml Cartridge	\$37
IAC FFOAM-CASE	FastFoam Instant Water Block, 50ml Cartridge, Case of 20	\$662
IAC FFOAM215	FastFoam Instant Water Block, 215ml in 20 oz Cartridge with 3 Mixer Tips	\$139
IAC FFOAM600	FastFoam Instant Water Block, 600ml in 20 oz Cartridge with 3 Mixer Tips	\$299
IAC WetWeld	Icon WetWeld Epoxy Leak Putty, 7" Tube	\$20
IAC MGUN50	Manual Dispensing Gun for 50ml Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$71
IAC MGUN20	Manual Dispensing Gun for 20oz Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$137
IAC PGUN20	Pneumatic Dispensing Gun for 20oz Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$326

Notes

The conditions of the application can be so varied that training for this application is highly recommended.





iBond Structural Bonder

Icon iBond is a two-part, fast curing, multi-purpose structural bonder used for the repair of minor damage in petroleum containment sumps made of fiberglass material. iBond also works with a variety of other materials, and in combination with multiple material types. With proper surface preparation and product application, the repair can be a permanent solution to a structural sump leak issue (seams, cracks, holes, and other damage). These repairs may eliminate the need for expensive sump replacement. iBond is compatible with all fuel types and blends.

FEATURES & BENEFITS

- Minor sump crack, hole, and seam damage repair
- Easy placement from dispensed cartridges, no hand mixing
- Completely cured in as little as 15 minutes
- Retains elasticity for typical sump movement
- Low profile size for hard to reach applications
- All fuels, all blends compatible in sump environment
- 6-month shelf life



Product Number	Product Description	Price
IAC IBOND50	Icon iBond Multipurpose Structural Bonder for FRP, 50ml Cartridge, Nitrile Gloves & Squeegee	\$49
IAC IBOND50FS	Icon iBond Multipurpose Structural Bonder for FRP, 50ml Cartridge, Fast Setting, Nitrile Gloves & Squeegee	\$49
IAC MGUN50	Manual Dispensing Gun for 50ml Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$71

Properties

Color	Cream
Viscosity (cps)	50,000
Mix Ratio	1:1
Worklife (room temp)	5-8 min
Time to Full Cure	15-30 min
Application Temp (in sump)	0° F to 120° F
Thermal Service Range	-67° F to 250° F
Elongation	5% - 20%
Fuel Resistance	Excellent

Performance Properties (typical)

Tensile Shear Strength (psi)	4000
Overlap Shear Strength Test (psi)	
AL	3300
STEEL	4000
FRP	Substrate Failure
ABS	Substrate Failure

Storage

Store cartridge in a cool, dry place out of direct light. When stored as recommended in the original unopened container, iBond has a 6-month or longer shelf life from package date. Condition material to 65° F to 75° F before using.

General Instructions

iBond adheres well to the suggested materials with proper surface preparation, meaning that the surface is dry, abraded, and cleaned of all loose material, oil and fuel residue, or any other contaminants before applied as follows:

1. Completely clean surface with isopropyl alcohol or acetone.
2. Abrade with a coarse grit sandpaper (40 to 60 grit).
3. Remove any loose material with isopropyl alcohol or acetone.
4. Apply iBond over the area of damage and allow for a 30-minute cure time.

NOTE: When using solvents, be sure to extinguish all ignition sources and follow all typical safety regulations.

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PolyFuse Structural Bonder

Icon PolyFuse is a two-part, acrylic-based, structural bonder use for the repair of minor damage in petroleum containment sumps made of “low energy” plastics like high density polyethylene (HDPE). Also works in combination with other materials, like fiberglass. With proper surface preparation and product application, the repair can be a permanent solution to a sump leak issue that delays the need for expensive sump replacement. PolyFuse is compatible with all fuel types and blends.

FEATURES & BENEFITS

- Minor sump crack, hole, and seam damage repair
- Easy placement from dispensed cartridges, no hand mixing
- Retains elasticity for typical sump movement
- Low profile size for hard to reach applications
- All fuels, all blends compatible in sump environment
- 6-month shelf life when refrigerated



Product Number	Product Description	Price
IAC PFUSE50	PolyFuse Structural Bonder for HDPE Sumps, 50ml Cartridge, Nitrile Gloves & Squeegee	\$89
IAC PFUSE250	PolyFuse Structural Bonder for HDPE Sumps, 250ml Cartridge, Nitrile Gloves & Squeegee	\$254
IAC PFGUN50	Manual Dispensing Gun for 50ml PolyFuse Cartridge with 10:1 Mixing Ratio, Industrial Quality	\$71
IAC MGUN200	Manual Dispensing Gun for 200/250ml Cartridge Products with 6:1 or 10:1 Mixing Ratio, Industrial Quality	\$179

Properties

Color	Blue
Viscosity (cps) - Base	17,000
Viscosity (cps) - Accelerator	27,000
Mix Ratio	10:1
Worklife (room temp)	3 min
Time to Full Cure	8-24 hrs
Application Temp (in sump)	0° F to 120° F
Thermal Service Range	-53° F to 185° F
Elongation	10% - 25%
Fuel Resistance	Excellent

Performance Properties (typical)

Tensile Shear Strength (psi)	2400
Overlap Shear Strength Test (psi)	
LDPE	353 Substrate Yield
HDPE	850 Cohesion Failure
PP	1499 Cohesion Failure
ABS	1221 Substrate Failure

Storage

Store cartridge out of direct light at 40° F. When stored as recommended, in the original unopened container, PolyFuse has a 6-month shelf life from package date. Condition material to 65° F to 75° F before using.

General Instructions

PolyFuse adheres well to the suggested materials with proper surface preparation, meaning that the surface is dry, abraded, and cleaned of all loose material, oil and fuel residue, or any other contaminants before applied as follows:

1. Completely clean surface with isopropyl alcohol or acetone.
2. Abrade with a coarse grit sandpaper (40 to 60 grit).
3. Remove any loose material with isopropyl alcohol or acetone.
4. Apply PolyFuse over the area of damage and allow for a minimum 8 hours of cure time.

NOTE: When using solvents, be sure to extinguish all ignition sources and follow all typical safety regulations.

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ICON MAKES NO WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Given the variety of factors that can affect the use and performance of the product, some of which are uniquely within the user's knowledge and control, user is responsible for determining if PolyFuse is suitable for a particular purpose and method of application. If the PolyFuse purchased is proved to be defective, THE EXCLUSIVE REMEDY, AT ICON'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR REPLACE THE ORIGINAL CARTRIDGE OF PRODUCT PURCHASED. Icon shall not otherwise be liable for loss or damages, direct, indirect, special, incidental, or consequential, regardless of any legal theory asserted, including but not limited to, contract, negligence, warranty, or strict liability.





Dispensing Guns

Icon supplies the dispensing guns specific for the various Icon materials used in sump leak repair applications. We carry only high quality and durable dispensing guns, and we have consciously chosen material cartridge sizes that allow the same dispenser gun to be used for multiple products wherever possible. Additionally, we have selected the smallest sized options available to make it easier to use the products in the confined space of the sump environment.

FEATURES & BENEFITS

- Industrial quality and durability
- Smallest possible size for the limited typical space
- Cross-product use for some models



IAC MGUN50

Product Number	Product Description	Price
IAC MGUN50	Manual Dispensing Gun for 50ml Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$71
IAC MPFGUN50	Manual Dispensing Gun for 50ml Cartridge PolyFuse, 10:1 Mixing Ratio, Industrial Quality	\$71
IAC MGUN10	Manual Dispensing Gun for 10oz Tube Products, Industrial Quality	\$45
IAC PGUN10	Pneumatic Dispensing Gun for 10oz Tube Products, Industrial Quality	\$71
IAC MGUN20	Manual Dispensing Gun for 20oz Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$137
IAC PGUN20	Pneumatic Dispensing Gun for 20oz Cartridge Products with 1:1 Mixing Ratio, Industrial Quality	\$326
IAC MGUN200	Manual Dispensing Gun for 200/250ml Cartridge Products with 6:1 or 10:1 Mixing Ratio, Industrial Quality	\$179
IAC PGUN200	Pneumatic Dispensing Gun for 200ml Cartridge Products with 6:1 or 10:1 Mixing Ratio, Industrial Quality	\$285
IAC MGUN400	Manual Dispensing Gun for 400ml Cartridge Products with 6:1 Mixing Ratio, Industrial Quality	\$197



IAC MGUN200



IAC MGUN10



IAC MGUN20



IAC MGUN400



IAC PFGUN50



IAC PGUN10





EasyFit Watertight Sump Repair Lid

The Icon EasyFit repair sump lid resolves the problem of surface water leaking in through the top of a tank sump. EasyFit is a watertight design with a gasket in the lid that is compressed to the frame part of the assembly with a 1/2 turn of cam-lock handles. It's easily removed for inspection and maintenance. The frame is bonded to HDPE or FRP sump types, and may require an adaptor ring depending upon size of sump. The installation is very simple.

FEATURES & BENEFITS

- Low profile design fits into existing manhole space
- Simple and quick installation process for reduced cost
- Bonded frame for permanent sump attachment
- Easily removed & replaced for inspection entry
- Lightweight, durable design for long-life performance
- 5-year warranty



IEF LB

Product Number	Product Description	Price
IEF LB	EasyFit Watertight Replacement Sump Lid, Large Frame for Sump OD 28.5" to 32.5"	\$750
IEF SB	EasyFit Watertight Replacement Sump Lid, Small Frame for Sump OD 24.5" to 28.5"	\$750
IEF ADAPTOR	EasyFit Sump Lid Adaptor Ring to 38"	\$150
IEF ADAPTOR-C	Custom EasyFit Sump Lid Adaptor Ring	\$250
IEF RISER	Fiberglass Sump Riser Extension & Adaptor Ring (Per 6" of Height and Standard 31" OD)	\$350
IEF RISER-C	Custom Fiberglass Sump Riser Extension & Adaptor Ring	
IEF RG	Replacement Gasket for All EasyFit Sizes	\$75
IEF RLID-L	Large Size Replacement Lid for EasyFit Assembly	\$475
IEF RLID-S	Small Size Replacement Lid for EasyFit Assembly	\$475
IAC PFUSE250	Icon PolyFuse Structural Bonder for HDPE Sumps, 250ml Cartridge	\$254
IAC MGUN200	Manual Dispensing Gun for PolyFuse 250ml Cartridge	\$179
IAC iBond50	Icon iBond Multipurpose Structural Bonder for FRP, 50ml Cartridge, Nitrile Gloves & Squeegee	\$49
IAC MGUN50	Manual Dispensing Gun for iBond 50ml Cartridge	\$71

Notes

Please download and complete the EasyFit Worksheet from Icon's web page to confirm the size and accessories needed for installation. If the sump is polyethylene (HDPE), order (1) PolyFuse bonder cartridge. If fiberglass, order (3) iBond bonder cartridges. Installation instructions available at our web page.





MwayPro Watertight Manhole Covers

MwayPro watertight covers are manufactured with leading technology in structural design and materials for composite covers used in the retail fueling and other commercial/industrial applications today. A truly watertight, high strength, and long lasting design in non-corrosive materials. Competes directly with the Fibrelite FL100/FL90 covers in every critical way.

FEATURES & BENEFITS

- High strength to weight ratio -- ThruBeam technology
- Meets EN124, AASHTO M306, and H20/25 load specifications
- No deflection under specified loads
- Cleanly installed flush with concrete surface
- Best anti-skid, anti-slip surface of all composite covers
- Clear 42", 36", 30", and 24" inside opening
- Truly watertight with minor maintenance
- Injury free and simple removal/replacement
- Security locking option
- An industry first 15-year warranty!



MWY42C

Product Number	Product Description	Price
MWY42C	42" Diameter Composite Cover and Frame, Watertight, C250 Class	\$1,290
MWY42D	42" Diameter Composite Cover and Frame, Watertight, D400 Class	\$1,550
MWY36C	36" Diameter Composite Cover and Frame, Watertight, C250 Class	\$1,100
MWY36D	36" Diameter Composite Cover and Frame, Watertight, D400 Class	\$1,250
MWY30D	30" Diameter Composite Cover and Frame, Watertight, D400 Class	\$1,230
MWY24D	24" Diameter Composite Cover and Frame, Watertight, D400 Class	\$985
MWYSkirt42	18" Flared Fiberglass Skirt for MWY42 Cover	\$160
MWYSkirt36	18" Flared Fiberglass Skirt for MWY36 Cover	\$160
MWYSkirt30	12" Flared Fiberglass Skirt for MWY30 Cover	\$150
MWYSkirt24	12" Flared Fiberglass Skirt for MWY24 Cover	\$150
MWYSeal42	Replacement Seal for Watertight MWY42 Cover	\$35
MWYSeal36	Replacement Seal for Watertight MWY36 Cover	\$33
MWYSeal30	Replacement Seal for Watertight MWY30 Cover	\$33
MWYSeal24	Replacement Seal for Watertight MWY24 Cover	\$33
MWYHandle	Lifting T-Handle and Seal Breaker Pedal for Watertight MwayPro Covers	\$260
MWYHandleF	Lifting T-Handle and Seal Breaker Pedal for Fibrelite Covers	\$260
MWYLock	Locking Device for MwayPro Cover	\$65
MWYPlug	Replacement Watertight Security Plug for MwayPro Cover	\$12
IAC FiberFuse	Icon FiberFuse Epoxy Bonder for Frame-To-Skirt Bonding, 20oz Cartridge	\$89





Icon Recommended Sump Repair Tools

Icon can provide a number of specialized and effective tools for different aspects of the repair process. If you are unsure that you will have these items at the project site, then simply include them in your order and we'll ship whatever is required with the other repair parts and materials. Our personal experience with these items has proven their value and effectiveness.

FEATURES & BENEFITS

- Have exactly the right tool for the unique repair applications
- No need to go searching through a hardware store
- Remote projects handled with confidence knowing you'll have what you need
- Solid quality and durability and specific to sump leak repairs



Product Number	Product Description	Price
IAC HS1.0	Hole Saw Blade and Arbor Kit 1.0"	\$30
IAC HS1.25	Hole Saw Blade and Arbor Kit 1.25"	\$30
IAC HS1.5	Hole Saw Blade and Arbor Kit 1.5"	\$30
IAC HS1.625	Hole Saw Blade and Arbor Kit 1.625"	\$30
IAC HS1.8125	Hole Saw Blade and Arbor Kit 1.8125"	\$30
IAC HS2.0	Hole Saw Blade and Arbor Kit 2.0"	\$30
IAC HS2.125	Hole Saw Blade and Arbor Kit 2.125"	\$30
IAC HS2.25	Hole Saw Blade and Arbor Kit 2.25"	\$30
IAC HS2.375	Hole Saw Blade and Arbor Kit 2.375"	\$30
IAC HS2.75	Hole Saw Blade and Arbor Kit 2.75"	\$30
IAC HS3.0	Hole Saw Blade and Arbor Kit 3.0"	\$35
IAC HS3.25	Hole Saw Blade and Arbor Kit 3.25"	\$35
IAC HS3.5	Hole Saw Blade and Arbor Kit 3.5"	\$35
IAC HS3.625	Hole Saw Blade and Arbor Kit 3.625"	\$35
IAC HS3.75	Hole Saw Blade and Arbor Kit 3.75"	\$35
IAC HS4.5	Hole Saw Blade and Arbor Kit 4.5"	\$45
IAC HS4.75	Hole Saw Blade and Arbor Kit 4.75"	\$45
IAC HS5.5	Hole Saw Blade and Arbor Kit 5.5"	\$50
IAC HS6.625	Hole Saw Blade and Arbor Kit 6.625"	\$65
IAC ODTape	Steel Outside Diameter (OD) Measurement Tape (inches/mm)	\$39
IAC Hknife	Heavy Duty Hook Blade Knife for Rubber/Plastic Parts Removal	\$29
IAC HDriver	Flexible Hand Driver for Band Clamps (5/16")	\$16
IAC HDriverSet	Hand Driver Set for Screws, Nuts, & Band Clamps (3/8", 5/16", 7/16")	\$50
IAC PDriver	1/4" Drive Pneumatic Reversible Nut/Screw Driver, Heavy Duty	\$199
IAC Socket	1/4" Drive 21 Piece SAE Socket Set with Pneumatic Socket Adaptor	\$55
IAC FlexExt	1/4" Drive Heavy Duty 4" Flexible Socket Extension	\$29

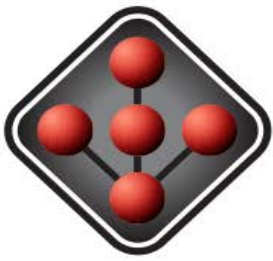
Notes

Please contact us if you need something that is not shown above! We can supply any tool and equipment necessary for a project.



**Reference charts
coming soon!**

**Reference charts
coming soon!**



icon
Containment Solutions

December 21, 2015

RE: Sump Leak Repair Products Compatibility Statement

This letter is to certify the compatibility of Icon Containment Solutions manufactured sump leak repair products to all ASTM **Methanol** blended fuels, **Ethanol** blended fuels from E10 to E100, **Biodiesel** blends from B2 to B100, and **DEF** diesel exhaust fluid typical in fuel storage containment sump applications; and covers all Icon's SplitRepair sump repair fitting designs, sump structural repair bonders and patches, and replacement tank sump lid products used in restoring UST/AST containment tank, spill, transition, and dispenser sumps to a compliant, fuel-tight condition.

Icon's repair fittings are engineered and manufactured with UL listed materials that offer the greatest durability for in-sump application, and have been third party tested (UL and other testing sources) for both material and simulated use compatibility in combination with split-bonding solvent (Icon FastFuse), gasket sealants (Icon PetrolSeal or Sika Corp Sikaflex 1a), filler material (Icon FastFill), and structural bonders (Icon iBond or Icon PolyFuse). Reference Icon product information sheets for specific labels and details as applicable.

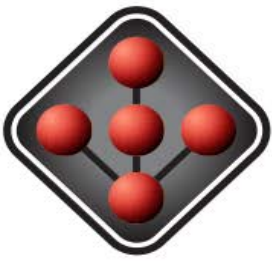
Additional successful testing with these products has included prolonged exposure to High Density Hydrocarbons; Ozone; UV; High & Low-Temperatures; Water Saturation; Tensile Strength; Flexibility & Compression; Microbial Corrosion; and Vibration Stress.

If you have a need for any additional information, or have any questions regarding this statement or specific products, please contact us at (855) 379-7867 (Dry-Sump).

Sincerely,

Jason Mitchell
General Manager

ph & fx 855.DRY.SUMP
905 N. Main Street Ste D1
N. Salt Lake, Ut 84054



April 4, 2016

RE: Icon FastFuse Compatibility Statement

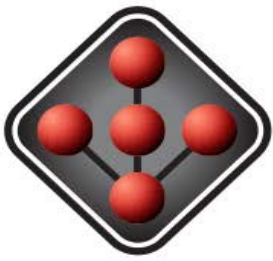
This letter is to certify the compatibility of Icon Containment Solutions manufactured FastFuse bonding solvent to all ASTM **Methanol** blended fuels, **Ethanol** blended fuels from E10 to E100, **Biodiesel** blends from B2 to B100, and **DEF** diesel exhaust fluid typical in fuel storage containment sump applications for restoring UST/AST containment sumps to a compliant, fuel-tight condition.

Icon FastFuse bonding solvent is used exclusively with Icon flexible fitting materials to chemically weld or “fuse” the split fitting together permanently so that the existing pipe connections do not need disconnection to repair the sump entry or pipe test fittings. This process is a significant advantage to the site owner and installing contractor. The application of FastFuse is included in Icon’s third-party UL testing (see Icon UL Certificate), and has been proven compatible in other long-term field and laboratory testing over many years.

If you have a need for any additional information, or have any questions regarding this statement or the specific product, please contact us at (855) Dry-Sump (379-7867).

Sincerely,

Jason Mitchell
General Manager



April 4, 2016

RE: Icon iBond Compatibility Statement

This letter is to certify the compatibility of Icon Containment Solutions manufactured **iBond** structural bonder to all ASTM **Methanol** blended fuels, **Ethanol** blended fuels from E10 to E100, **Biodiesel** blends from B2 to B100, and **DEF** diesel exhaust fluid typical in fuel storage containment sump applications for restoring UST/AST containment sumps to a compliant, fuel-tight condition.

Icon **iBond** is a fast-setting structural bonder used to permanently repair leak issues from minor cracks, seams, and other damage to FRP tank, transition, and dispenser sumps. It is often used in connection with substrate material to add structural integrity to the repaired area of the sump. A bonded repair is a significant advantage to the site owner, preventing unnecessary or premature replacement of the sump equipment.

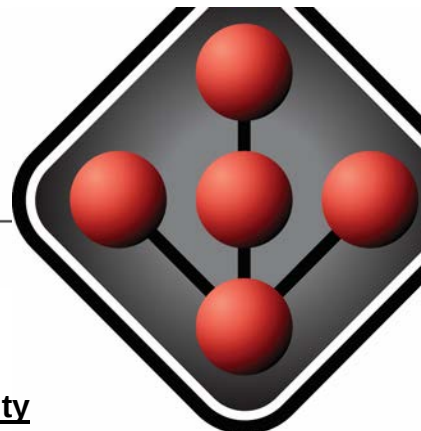
If you have a need for any additional information, or have any questions regarding this statement or the specific product, please contact us at (855) Dry-Sump (379-7867).

Sincerely,

Jason Mitchell
General Manager



Containment Solutions



PetrolSeal Certification of Fuels Compatibility

PetrolSeal is an Icon product label for a proprietary polysulfide blend sealant used in liquid petroleum storage containment applications.

Polysulfide material testing with fuels and its long history of performance with fuel storage has proven that it is highly compatible in long-term exposure in direct contact with fuels, including all ethanol blends typical in the industry.

It is specifically approved for application as a fitting sealant and as a coating for corrosion prevention on equipment inside sumps and tanks.

Please contact Icon for specific application instruction and MSDS.

The following are the approved Icon part numbers, for the PetroSeal:

IAC PS200 - Icon PetrolSeal Sealant, 200ml Cartridge Gray

IAC PS400 - Icon PetrolSeal Sealant, 400ml Cartridge Gray

IAC PSQUART - Icon PetrolSeal Sealant, 1 quart container Gray

IAC PSGALLON - Icon PetrolSeal Sealant, 1 gallon container Gray

Sincerely,

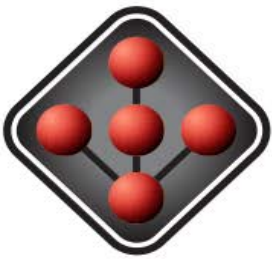
A handwritten signature in black ink, appearing to read 'Logan McDowell'.

Logan McDowell
Technical Service Manager



T 855.379.7867 / F 855.379.7867 / E info@icontainment.com / www.icontainment.com

© 2011 ICON



April 4, 2016

RE: Icon PolyFuse Compatibility Statement

This letter is to certify the compatibility of Icon Containment Solutions manufactured **PolyFuse** structural bonder to all ASTM **Methanol** blended fuels, **Ethanol** blended fuels from E10 to E100, **Biodiesel** blends from B2 to B100, and **DEF** diesel exhaust fluid typical in fuel storage containment sump applications for restoring UST/AST containment sumps to a compliant, fuel-tight condition.

Icon **PolyFuse** is a structural bonder used to permanently repair leak issues from minor cracks, seams, and other minor damage in poly (HDPE) tank, spill, transition, and dispenser sumps. It can be used in connection with a poly substrate material to add structural integrity to the repaired area of the sump. A bonded repair is a significant advantage to the site owner, preventing unnecessary or premature replacement of the sump equipment.

If you have a need for any additional information, or have any questions regarding this statement or the specific product, please contact us at (855) Dry-Sump (379-7867).

Sincerely,

Jason Mitchell
General Manager

Sika Corporation Construction

January 11, 2013

Icon Containment Solutions, LLC.
870 Robinson Drive, Suite C
N. Salt Lake, UT 84054
Ph. / Fax : 855-DRY-SUMP
Direct: 801-683-8482

Mr. Logan McDowell, Technical Service Manager
E-mail: logan@iconcontainment.com

Mr. Paul Reber, National Sales Manager
E-mail: paul@iconcontainment.com

Re: **Sikaflex-1a** one part polyurethane, elastomeric sealant / adhesive

Dear Gentlemen:

Thank you for your interest in Sika products. This letter is written at the request of Sika Corporation's Project Representative, Mr. Scott Isaac.

Please be advised Sika Corporation's Technical Services Department has no objection to the typical use of Sikaflex-1a polyurethane sealant (as described in Mr. Reber's correspondence dated January 10, 2013) in a secondary containment environment where it may be exposed to substances such as groundwater, unleaded gasoline, petroleum-based oils, diesel fuel and/or jet fuel is used, provided recommendations of the current product data sheets are followed.

As in all applications, the suitability of a sealant used in any given application should be reviewed, determined and/or approved by the end user in charge of the actual product installation.

Should there be further questions, please feel free to contact Mr. Isaac directly at telephone number 801-580-7488, or Sika Corporation's Technical Services Department at 800-933-SIKA (7452), option # 5.

Very truly yours,
Sika Corporation

Ray Williamson

Senior Technical Service Specialist

cc: Scott Isaac / Sika Corporation

attch: Product Data Sheet (Edition 9.13.2012) for Sikaflex-1a



Sika Corporation, 201 Polito Avenue, Lyndhurst, NJ 07071
Tel: 800-933-7452, www.sikaconstruction.com

Innovation & Consistency | since 1910

Product Data Sheet
Edition 9.13.2012
Sikaflex-1a

Sikaflex®-1a

One part polyurethane, elastomeric
sealant/adhesive

SEALANT-WATERPROOFING & RESTORATION INSTITUTE	
Issued to: Sika Corporation Product: Sikaflex®-1A	
C719: Pass ☒	Ext +35% Comp.-35%
Substrate: Mortar, Aluminum, Glass [mortar substrate primed with Sika Primer 429]	
C661: Rating 40	
Validation Date: 8/3/12 – 8/2/17	
No. 0812-S11211	Copyright © 2012
SEALANT VALIDATION www.swrionline.org	

Description	Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Meets Federal specification TT-S-00230C, Type II, Class A. Meets ASTM C-920, Type S, Grade NS, Class 35, use T, NT, O, M, G, I; Canadian standard CAN/CGSB 19.13-M87.
Where to Use	- Designed for all types of joints where maximum depth of sealant will not exceed 1/2 in. - Excellent for small joints and fillets, windows, door frames, reglets, flashing, common roofing detail applications, and many construction adhesive applications. - Suitable for vertical and horizontal joints; readily placeable at 40°F. - Has many applications as an elastic adhesive between materials with dissimilar coefficients of expansion. - Submerged conditions, such as canal and reservoir joints.
Advantages	- Eliminates time, effort, and equipment for mixing, filling cartridges, pre-heating or thawing, and cleaning of equipment. - Fast tack-free and final cure times. - High elasticity - cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance. - Stress relaxation. - Excellent adhesion - bonds to most construction materials without a primer. - Excellent resistance to aging, weathering. - Proven in tough climates around the world. - Odorless, non-staining. - Jet fuel resistant. - Certified to the NSF/ANSI Standard 61 for potable water. - Urethane-based; suggested by EPA for radon reduction. - Paintable with water-, oil- and rubber-based paints. - Capable of ±35% joint movement.
Coverage	10.1 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.
Packaging	Disposable 10.1 fl. oz., moisture-proof composite cartridges, 24/case; and uni-pac sausages, 20 fl. oz., 20/carton.

Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	10.1 fl. oz. cartridges	12 months	
	20 fl. oz. uni-pac sausages	12 months	
	5 gallon pail	6 months	
	55 gallon drum	6 months	
Storage Conditions	Store at 40°-95°F (4°-35°C). Condition material to 65°-75°F before using.		
Colors	White, colonial white, aluminum gray, limestone, black, dark bronze, capitol tan, stone and medium bronze. Special architectural colors on request.		
Application Temperature	40° to 100°F. Sealant should be installed when joint is at mid-range of its anticipated movement.		
Service Range	-40° to 170°F		
Curing Rate	Tack-free time	3 to 6 hours	
	Tack-free to touch	3 hours	
	Final cure	4 to 7 days	
Tear Strength (ASTM D-624)	55 lb./in.		
Shore A Hardness (ASTM C-661)	21 day	40±5	
Movement Capability (ASTM C-719)	+/- 35%		
Tensile Properties (ASTM D-412)			
21 day	Tensile Stress	175 psi (1.21 MPa)	
	Elongation at Break	550%	
	Modulus of Elasticity	25%	35 psi (0.24 MPa)
		50%	60 psi (0.41 MPa)
	100%	85 psi (0.59 MPa)	
Adhesion in Peel (TT-S-00230C, ASTM C 794)			
Substrate	Peel Strength	Adhesion Loss	
Concrete	20 lb.	0%	
Aluminum	20 lb.	0%	
Glass	20 lb.	0%	

Weathering Resistance Excellent

Chemical Resistance Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service for specific data.



How to Use

Surface Preparation

Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. A roughened surface will also enhance bond. Install bond breaker tape or backer rod to prevent bond at base of joint.

Priming

Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure. Consult Sikaflex Primer Technical Data Sheet or Technical Service for additional information on priming.

Application

Recommended application temperatures: 40°-100°F. For cold weather application, condition units at approximately 70°F; remove prior to using.

For best performance, Sikaflex-1a should be gunned into joint when joint slot is at mid-point of its designed expansion and contraction.

Place nozzle of gun into bottom of the joint and fill entire joint. Keep the nozzle in the sealant, continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment.

Avoid overlapping of sealant to eliminate entrapment of air. Tool sealant to ensure full contact with joint walls and remove air entrapment. Joint dimension should allow for 1/4 inch minimum and 1/2 inch maximum thickness for sealant. Proper design is 2:1 width to depth ratio.

For use in horizontal joints in traffic areas, the absolute minimum depth of the sealant is 1/2 in. and closed cell backer rod is recommended.

Limitations

- Allow 1-week cure at standard conditions when using Sikaflex-1a in total water immersion situations and prior to painting.
- When overcoating with water, oil and rubber based paints, compatibility and adhesion testing is essential.
- Avoid exposure to high levels of chlorine. (Maximum continuous level is 5 ppm of chlorine.)
- Maximum depth of sealant must not exceed 1/2 in.; minimum depth is 1/4 in.
- Maximum expansion and contraction should not exceed 25% of average joint width.
- Do not cure in the presence of curing silicone sealants.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not apply when moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.
- Use opened cartridges and uni-pac sausages the same day.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- White color tends to yellow slightly when exposed to ultraviolet rays.
- Light colors can yellow if exposed to direct gas fired heating element.
- The ultimate performance of Sikaflex-1a depends on good joint design and proper application with joint surfaces properly prepared.
- The depth of sealant in horizontal joints subject to traffic is 1/2 in.
- Do not tool with detergent or soap solutions.
- Do not use in contact with bituminous/asphaltic materials.

Caution

WARNING: IRRITANT, SENSITIZER. Contains Polyisocyanate Prepolymer (Mixture), Xylene (CAS 1330-20-7). Causes eye irritation. May cause skin/respiratory irritation. May cause skin and/or respiratory sensitization after prolonged contact. May be harmful if swallowed. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Headaches and dizziness may result. **Deliberate misuse by inhalation of vapors may be harmful or fatal.** Strictly follow all usage, handling and storage instructions.

Handling & Storage

Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse. Store in cool dry well ventilated area.

Cleanup

Use personal protective equipment (chemical resistant gloves/goggles/clothing). Without direct contact, remove spilled or excess product and placed in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.

First Aid Measures

Eyes: Hold eyelids apart and flush thoroughly with water for 15 minutes. **Skin:** Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. **Inhalation:** Remove to fresh air. **Ingestion:** Do not induce vomiting. Dilute with water. Contact physician. **In all cases contact a physician immediately if symptoms persist.**

Linear Feet of Sealant per Gallon

Inches	Depth	
	1/4	1/2
1/4	308.0	
1/2	154.0	77.0
3/4	102.7	51.3
1	77.0	38.5
1 1/2	61.6	30.8
1 3/4	51.3	25.7

Width

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Material Safety Data Sheet which are available online at www.sikausa.com or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Technical Data Sheet, product label and Material Safety Data Sheet prior to product use.

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CERTIFICATE OF COMPLIANCE

Certificate Number 20161221-MH61945
Report Reference MH61945-20040105
Issue Date 2016-DECEMBER-21

Issued to: ICON CONTAINMENT SOLUTIONS L L C
Suite D1
905 N Main St
N Salt Lake UT 84054

**This is to certify that
representative samples of**

TANK ACCESSORIES FOR FLAMMABLE AND
COMBUSTIBLE LIQUIDS

Sump penetration fittings, reducers, three stepped flanged
reducers and inserts. Split repair sump penetration fittings,
reducers, three stepped flanged reducers and inserts.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 971 - Nonmetallic Underground Piping for Flammable
Liquids

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Bruce Mahrenholz, Director North American Certification Program

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EGVV.MH61945 Tank Accessories for Flammable and Combustible Liquids

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Tank Accessories for Flammable and Combustible Liquids

[See General Information for Tank Accessories for Flammable and Combustible Liquids](#)

ICON CONTAINMENT SOLUTIONS L L C

MH61945

Suite D1
905 N Main St
N Salt Lake, UT 84054 USA

Sump penetration fitting, reducers, three stepped flanged reducers and inserts. Split repair sump penetration fittings, reducers, three stepped flanged reducers and inserts.

Trademark and/or Tradename: "ForTex" and "ProTex".

[Last Updated](#) on 2016-12-26

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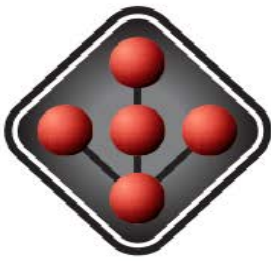
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icon
Containment Solutions

For Release: April 4, 2015 – Icon “ProTex” Fitting Material

Icon Containment Solutions, LLC has been actively researching and testing a range of materials for its various products since its beginning, for the purpose of identifying the most durable, lasting, and compatible materials for petroleum storage system repair applications. This is an ongoing process and will continue to be a major part of Icon’s mission.

Besides field and shop testing, Icon has used the resources, testing, and expertise of suppliers, customers, polymer materials manufacturers, Underwriter Laboratories, and independent research laboratories and testing companies, including the European Polymer Research Laboratory at Queens University (Belfast Ireland), to confirm the suitability of the materials and applications it offers for the challenging environments represented in UST and AST secondary containment sumps.

It’s critical to a repair fitting product that the material can be split and chemically bonded together such that the repair can be applied without disconnecting pipe for both compression seal and bonded seal design fittings. Urethane based materials used in the industry for compression fittings have shown vulnerability to hydrolysis, microbial corrosion, and vapor degradation over time in some environments. Ultimately, Icon has pursued materials that are significantly more durable than all other common materials used in the market today.

Icon is pleased to announce a material labeled “ProTex”, an exciting improvement in material design for SplitRepair compression seal sump entry and test fitting components. Icon ProTex is a **non-urethane**, engineered copolymer material design that is split-bondable, all fuels compatible (methanol, ethanol, and bio-fuels in all typical blends), with no hydrolysis, and anti-microbial, with significant UV resistance. It demonstrates incredible memory and retains its elasticity over time, and with the other properties, make it a repair that will last through the end life of a containment sump.

The testing for Icon ProTex addressed the compatibility of all the latest fuel types and blends, and included true sump environments in which sump fittings are installed. Benchmark laboratory and field testing with other industry materials in a variety of categories of performance demonstrates that ProTex performs significantly better than previous UL listed materials in the industry today. UL971 testing for material substitution confirmed that ProTex meets their standard for fuel compatibility. Testing also included High Density Hydrocarbons; Ozone; UV; High & Low-Temperatures; Water Saturation, and all current types of Fuels Saturation; Tensile Strength; Flexibility & Compression (with Torque); Microbial Corrosion; and Vibration Stress. Additionally, Icon is pursuing UL2447 standard compliance testing that should be completed by 2017.

All Icon SplitRepair compression seal fittings are now manufactured with ProTex. Icon products are to be installed by Icon Certified Installers, and are only intended for uses described in the Icon training and marketing materials. Before use in any other application, user shall determine the suitability of the product by contacting Icon.

ph & fx 855.DRY.SUMP

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