

\*\*\*Read Instructions Completely Before Installing\*\*\* REV 02/21

**Background**

**SPLITREPAIR** Rigid bonded repair fittings are designed exclusively for combinations of fiberglass, steel, and concrete containment sumps and pipe equipment. Installation success is highly dependent upon workmanship and surface preparation. Rigid design fittings can often work with angled pipe entry without any adjustment to the fitting, They are extremely low profile to fit limited installation space. This is a permanently bonded fitting to the sump and pipe surface.

**Tools, Parts & Materials**

The following general tools, materials, and parts are needed for this repair:

- Tools for Removal of Existing Fitting Materials
- Acetone or Isopropyl Alcohol and Rags for Cleaning Surfaces
- Icon **SPLITREPAIR** Rigid Fitting Kit which includes Split Rigid Frame, Sandpaper, Backer Rod, and iBond Bonder Cartridges (IRF Rigid\*.\*)
- Dispensing Gun for iBond Bonder (IAC MGun50)



**STEP 1  
Preparation  
for Repair  
Fitting**

- A. Remove the existing fitting materials completely, including any rubber component, housing parts, or bolts penetrating from the outside of the sump to expose a bare and clear sump wall and pipe surface.
- B. Surface preparation is critical to the success of a permanent bond to the sump wall and pipe surface. It is better to remove fitting materials than to try to bond over the existing fitting design, allowing you to better center the Rigid fitting over the pipe.
- C. Dry fit the Rigid fitting to the sump wall around the pipe and mark, so as to understand exactly where your surface preparation and bonding will be required.



*Example of a Bolted Design Fitting Repair, But Could be Most Any Existing Fitting Type*



**STEP 2  
Surface  
Preparation**

- A. Completely remove and clean off any sealant or other buildup of dirt and oil/fuel residue on the sump wall and pipe surface bonding area using tools and cleaner.
- B. Sand the surfaces of both the sump wall and pipe thoroughly with the supplied sandpaper strip in the areas where the bonder will be applied.
- C. Again, wipe the sump wall and pipe areas completely with acetone or isopropyl alcohol to clean away any loose material and residues, and to wick away moisture just prior to applying the supplied iBond structural bonder.



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**STEP 3  
Bonding  
the Rigid  
Repair  
Fitting  
Parts to  
Sump &  
Pipe**

- A. If applicable, fill the void around the pipe and sump entry hole flush to the sump wall with the supplied 1" Backer Rod, or use putty/foam of any type, to prevent the bonder from falling loosely into that space, and to prevent gravel from falling into the bonding area.
- B. Using the iBond dispensing gun, apply a complete, single cartridge volume of iBond to the back of each split Rigid part (total of 2 cartridges). Wait until the bonder is well gelled or almost "tacky" before sticking the parts to the sump wall in order to limit the time required to hold in place on the wall surface.
- C. Align the split fitting seam horizontally for a flat sump wall surface, or vertically for a curved sump wall surface. Make sure that you place the parts together on the sump wall such that they fit together with the tongue and groove design. Compress against the sump wall so that bonder is squeezed to the outer edge of the fitting. Rotate slightly one direction and back again to help distribute the bonder on the back of the fitting.
- D. Hold in place for at least 1-2 minutes. If the bonder was allowed to gel, almost tacky before application, the fitting will not sag, slide or pull away from the sump wall. If it does, hold in place a few minutes longer.



**STEP 4  
Finishing the  
Bonding  
Application**

- A. Apply bonder from the additional cartridge(s) to the interior of the fitting around the piping and completely fill until over the top of the internal rim that narrows toward the piping.
- B. Add additional bonder to the other seams (split, sump) to assure an adequate volume will seal those areas. Pay specific attention to the bottom area that is not as visible. Inspect completely to make sure there is adequate coverage over all seams. Add additional bonder if required.
- C. Cure time will be determined by temperature. At 70° F/21° C the fitting will be sufficiently cured within approximately 30 minutes and ready for testing. In colder temperatures assume a longer cure time. Reference specifications of iBond.



**IMPORTANT NOTE:** The fitting frame can be modified in the field as necessary, to fit circumstances where the proximity of the fitting is close to other fittings, sump seam, or sump floor/corners.