

## **Iso-Flex Precom “H-SL” Installation Procedures**

### **General Instructions**

The expansion joint opening shall be a consistent width along its entire length, or be within the established width dimensions for the specified seal for the particular project. Also ensure that the depth of the joint is sufficient for the supplied material.

Edge spalling, sharp projections and concrete voids shall be repaired prior to proceeding with the installation of the Iso-Flex Precom Joint Sealing System. Any repair materials used should be allowed to fully cure per manufacturer’s recommendations before the installation is begun.

All Precom “H-SL” installations utilize Epoxy Bonding Adhesive. In order to achieve proper bond to the concrete substrate it is required to sandblast the concrete surface. If sandblasting is not possible a thorough mechanical grinding is required. **DO NOT WIRE BRUSH!**

#### **Concrete Surface Conditions Shall be:**

- New concrete shall have a minimum of 28 days cure.
- Remove any laitance or weak surface layer from concrete surface.
- Surface Profile shall be a CSP-3 to CSP-5 per International Concrete Repair Institute.
- Moisture content of the concrete shall be 3% or less.

(In the event you have a steel surface interface it is required to sandblast or grind to “white metal”.)

Once the surface has been abraded it must be solvent wiped. The solvent wipe should occur immediately before the actual installation of the Precom “H-SL” seal. Once the joint interfaces are prepared and solvent wiped the top surface should be taped off in order to maintain a neat and clean surface.

The Iso-Flex Precom “H-SL” is packaged in 5 Ft stick lengths. To ensure a proper fit add ½” to the joint length and cut Precom as determined. When initiating work lay out the stick-packaged material by placing the sticks along the joint opening.

Prior to installation of the Precom seal apply the mixed Iso-Flex Epoxy Bonding Adhesive to the joint gap faces. *Be careful to not contaminate the upper concrete interface area.* The epoxy is mixed at a 1:1 ratio. This will ensure a proper long term adhesion. Once the epoxy is mixed, trowel a film on to the concrete interface. Remove the shrink wrap binding holding the stick compressed and

remove the release paper exposing the Pressure Sensitive Adhesive (PSA). Apply the epoxy adhesive to the lower ½ of the Precom seal sidewalls. Insert the stick into the joint gap using a putty knife to clean up excess epoxy left on the surface. Install the Precom seal into the gap to a consistent depth, approximately ¼” minimum below the top surface.

During installation it is important to push the Precom seal into place. DO NOT pull on the seal during the installation process.

In cool weather conditions wooden wedges may be used to hold the stick in place until the seal has expanded to fill the gap.

It is always important to add a small amount of extra material to the length of the joint gap to ensure a watertight seal.

**Butt Splice Treatment:**

As each 5 foot stick length of material is being installed into the joint it is necessary to apply a film of the provided *“Flexible Sealant”* to the end mating with the previously installed piece. The sealant should be spread evenly throughout the butt end of the foam portion of the seal.

The ends of the abutting seals should then be pressed firmly together as installed.

**Field Applied Sealant Bead:**

Precom “H-SL” is provided with a factory applied silicone sealant on the exposed surface. Once the seal is in place, it is necessary to place a ¼” bead of sealant along each side of the installed joint at the interface to the concrete substrate.

Complete the installation with a ¼” bead of Dow 888 silicone sealant along the interfaces of the installation as well as at each splice location adjoining each 5 Ft stick of material.

When installation is made against metallic substrates it may be necessary to apply a primer. Consult LymTal for further information.

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