

## **Iso-Flex Precom “PHSL-FR” Installation Procedures**

### **General Instructions**

It is important to note that all installation procedures must be carried out in accordance with current, listed UL Systems.

To begin, the wall or floor 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 and the concrete slab is of an acceptable thickness in order to achieve a proper fire rating. Please consult the current UL Listing for the proper slab thickness.

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 “PHSL-FR” installations utilize Epoxy Bonding Adhesive. In order to achieve proper bond to the concrete substrate it is required to sandblast or otherwise abrade clean the concrete surface. If sandblasting is not possible a thorough mechanical grinding is required. **DO NOT WIRE BRUSH!**

Once the surface has been abraded it must be solvent wiped. The solvent wipe should occur immediately before the actual installation of the Precom 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 System is packaged in stick lengths. To ensure a proper fit add ½” to the joint length and cut the seal as required. 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. 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 binding holding the stick compressed and remove the release paper exposing the Pressure Sensitive Adhesive (PSA). 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” below the traffic 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.

As each stick length of material is being installed into the joint it is necessary to apply the supplied silicone to the end of the previously installed piece. The next stick should be pushed tightly against the previously installed stick.

Precom "PHSL-FR" is provided with a factory applied silicone sealant on the exposed surface. With the seal in place, finish off the installation with a 1/4" bead of silicone sealant along the interfaces of the system with the concrete and at the splice point between each stick. Consult LymTal for further information.

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