

Iso-Flex Precom “H” 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 spalls, 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 product manufacturer’s recommendations before the installation is begun.

Surfaces to be sealed must be sound, dry, clean and free of oil, grease, laitance, rust and other foreign material that would prevent proper adhesion.

All Precom “H” 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!** (In the event you have a steel surface interface it is required to sandblast or grind to “white metal” followed by a solvent wipe.)

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” 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.

Precom H seal is manufactured in roll lengths for sizes up to 1” wide. All seals larger than 1” wide are produced in 5 foot stick lengths. This packaging variation is cause for differing installation steps.

Precom “H” Rolled Sizes (1/2” – 1”)

With the joint interfaces prepared begin by cutting off the leader of the Precom “H” roll using a miter box and saw. The Precom seal end at the end of the joint run should be left square, all ensuing ends between roll lengths should be cut square to ensure a butt connection. Flexible Seal sealant will be applied at each connection.

With the Precom seal roll prepared for use it is time to open and mix the Epoxy Bonding Adhesive. Mix only quantities than can be used within a 15 minute period. Once mixed, apply a thin film of epoxy to the joint gap interfaces.

Next, unroll the Iso-Flex Precom seal and lay out next to the joint gap. Take note of the top side of the seal and assure this is the top side of the seal when installed. To ensure a proper fit add ½” to the joint length and cut Precom as determined.

Remove the release paper exposing the pressure sensitive adhesive (PSA) in preparation for installation. Apply the epoxy adhesive to the lower ½ of the Precom seal sidewalls. Insert the seal into the joint gap and using a putty knife clean up the excess epoxy left on the surface. Install the Precom seal into the gap to a consistent depth, approximately ¼” below the traffic surface. Note that vertical joints should be started from the bottom. Continue along the joint length, working until complete.

As each new roll of Precom “H” is installed it is necessary to apply Flexible Seal bonding sealant to the end surfaces of each length to be joined. The Flexible Seal material is provided along with the shipment in cartridges.

On roll packaged sizes the last three inches of the seal on a roll is a leader. It will not expand, and should be cut off. The length of the roll is it’s nominal length, plus the leader.

Precom “H” Stick Lengths (1-1/4” and larger)

The Precom seal end at the end of the joint run should be left square, all ensuing ends between stick lengths should be square to ensure a butt connection. Flexible Seal sealant will be applied at each connection.

Place the stick lengths along the joint opening, and then when ready to install each stick remove the shrink wrap holding the stick compressed. Note on the labels which is the top side of the seal and install top side up. Do not remove the shrink wrap until you are ready to install. Next remove the release paper exposing the PSA. Apply the epoxy adhesive to the lower ½ of the Precom seal sidewalls. Insert the seal into the joint gap and using a putty knife clean up the excess epoxy left on the surface. Install the Precom seal into the gap to a consistent depth, approximately ¼” below the traffic surface.

As each new stick of Precom “H” is installed it is necessary to apply Flexible Seal bonding sealant to the end surfaces to be joined. The Flexible Seal material is provided along with the shipment in cartridges.

In cool weather conditions wooden wedges may be used to hold the Precom seal 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.