

Iso-Flex Foamflux Expansion Joint “F” Seal Installation Procedures

1. Preparatory Work

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. Refer to LymTal International Drawing No. 1072 for specific sizing information.

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

Slightly chamfered or rounded top corners of the concrete at the expansion joint is required to help prevent spalling and damage to the concrete edges during subsequent use.

The Iso-Flex Foamflux seal shall be unrolled and allowed to lie in a relaxed position. Once relaxed, the seal should be measured and cut to the desired length. When measuring the seal, be careful not to pull or stretch the seal.

If necessary, butt splices and directional changes can be easily completed in the field. Splice one end of the Iso-Flex Foamflux to another by cutting both ends on a 45° miter. Apply Iso-Flex Cyanoacrylate Glue to both mitered ends of the seal, and then hold the two faces firmly together for about one minute.

The expansion joint opening should be sandblasted to remove any laitance or material that would inhibit the bond of the adhesive. Additionally, sandblasting will provide an adequate surface profile to which the adhesive will bond. Should sandblasting not be possible, the joint faces must be ground with a coarse disc grinder to produce an abraded surface; be careful not to polish the surface as this could cause failure of the adhesive.

2. Installation

Using a cotton rag, begin by wiping the concrete interfaces with denatured alcohol. In an effort to keep a neat installation tape the horizontal surfaces on both sides of the top edges of the concrete at the expansion joint gap. Brush the ribbed sidewalls of the seal with a wire brush and Iso-Flex Profile Conditioning Agent. Using a small drill with a wire wheel attachment can expedite the process. Then wipe the ribbed sidewalls with

a clean, absorbent cotton rag soaked with Iso-Flex Profile Conditioning Agent.

Next, mix the two-component Iso-Flex Epoxy Adhesive (1:1 ratio). This is easily accomplished by using a margin trowel or putty knife. Begin by pulling all of the part "A" component from its container and place it on a clean piece of 18-inch square cardboard or wood. Then do the same with the part "B" component. With both components now on the cardboard or wood surface use the trowel to fold the materials together until fully mixed. Approximately two minutes should allow for full blending.

Using the Iso-Flex Epoxy Adhesive and the margin trowel, coat the sidewalls of the expansion joint gap, starting at the top of the gap going down to a depth equal to the lowest rib on the side of the seal. Additionally, apply enough adhesive to cover the ribbed surfaces on both sides of the seal.

The seal should now be placed in the joint gap. Using a blunt tool, position the seal so that the top will be roughly $\frac{1}{4}$ " below the adjoining concrete surfaces at full compression.

Once in place allow approximately 24 hours for the system to achieve full cure.

3. Clean Up

Using a clean rag soaked with denatured alcohol, wipe the exposed surfaces of the seal until clean.

Remove and collect the joint edge tape along with the used containers and rags. Properly dispose of all waste materials.

Open to traffic immediately.

Rev 12/03