

**Iso-Flex SILFAST XL
Installation Procedures**

General Instructions

The expansion joint opening shall be fairly 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. Iso-Flex SILFAST XL is an uncompressed product and is sized to be larger than the expansion joint gap.

Edge spalling, sharp projections and concrete voids shall be repaired prior to proceeding with the installation of the Iso-Flex SILFAST XL. Any repair materials used should be allowed to fully cure per manufacturer's recommendations before the installation is begun. The concrete surfaces shall be clean and free of oil, grease, rust and other foreign materials that would inhibit bonding of the adhesive materials.

The Iso-Flex SILFAST XL is packaged in 39 foot roll lengths along with an epoxy adhesive and silicone sealant. Uncoil the rolls of material and allow them to relax prior to installing the system in the joint opening.

Prior to installation of the SILFAST XL seal mix an appropriate amount of the Epoxy Bonding Adhesive at a 1:1 ratio – note the adhesive has a working time of approximately 20 minutes at 70° F so only mix enough epoxy to be used in that time frame. Once mixed, apply a liberal amount of the Iso-Flex Epoxy Bonding Adhesive to the joint gap faces using trowels or putty knives. This will ensure a proper long term adhesion. Insert the preformed, silicone coated seal system into the joint gap (with the silicone surface facing up) by simply compressing the foam into place with your hands. Adjust the level and elevation of the seal as needed. Use a putty knife to clean up excess epoxy left on the surface. Install the SILFAST XL seal into the gap to a consistent depth, approximately ¼” below the traffic surface.

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

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 roll 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. Do not coat the entire end face of the piece with silicon – only apply a bead around the outside perimeter. The next piece of material should be pushed tightly against the previously installed piece of material.

SILFAST XL is provided with a factory applied silicone sealant on the exposed surface. With the seal in place, finish off the installation with a ¼” bead of silicone sealant along the interfaces of the system with the concrete and at the splice point between each piece of material or at any directional changes.