

Iso-Flex® QC Sealant System

PRODUCT DESCRIPTION

Iso-Flex QC Sealant System consists of a 2-component ultra low modulus urethane sealant, anchored to the Iso-Flex 900 Elastomeric Concrete header system. The rapid installation process, and the quick cure period make the system ideal for new and repair applications in bridge and parking structure applications.

The system is based on advanced urethane technology and utilizes a durable, impact absorbing header material that bonds well to numerous substrates. The 2-component sealant is self leveling and has significant movement capability.

BASIC USES

The Iso-Flex QC Sealant System is designed for use in expansion joints exposed to vehicular traffic in bridges, highway pavements, parking structures, stadiums, plazas, and other types of concrete structures where watertightness is required.

ADVANTAGES

- The system is easy to mix and install.
- The Iso-Flex 900 components are conveniently pre-proportioned and packaged together for easy field mixing.
- Iso-Flex 900 remains flexible over a wide temperature range, and cures down to 32° F.
- Iso-Flex 900 bonds to concrete, aluminum and steel, and can have a thixotropic additive added for sloped surface application.
- Iso-Flex 888 QC sealant cures rapidly to an ultra low modulus elastomer, having exceptional properties.
- Iso-Flex 888 QC sealant has been designed for use under extended water immersion.

LIMITATIONS

- Apply to clean, dry, sound substrate.
- Application temperature must be above 40° F.
- Performance of this sealant is closely related to preparation, application techniques and structural behavior. Installation conditions should be as recommended by the manufacturer.

LABORATORY TECHNICAL DATA

(Field Properties May Vary)

Property	Test Method	888QC	Iso-Flex 900
Tensile Strength	ASTM D412	120 psi	1700 psi
Elongation @ break	ASTM D412	1400% min	150% min
Tear Strength	ASTM D624	50 lbs/inch	180 lbs/inch
Compression Set 168 hrs. @ 212°F	ASTM D395	----	----
Hardness	Shore A	30± 5	80± 5
Mvmt. Capability			
Compress. Strength 5% deflection	ASTM C719	+100% -50%	----
Resilience, %	ASTM D695	----	1200 psi min. 96% min. 350 psi min.
Adhesion Properties Bond to concrete	ASTM C109	----	350 psi min.
Ozone Resistance	ASTM D1149	No Cracks	No Cracks
Water Absorption	ASTM D570	----	2%
Impact Resistance (-15°F)	ASTM D5420	----	Pass
Pot Life	ASTM C603	20 Minutes	20 Minutes
U.V. Resistance	----	Excellent	Excellent

INSTALLATION

Preliminary: Surfaces to receive the Iso-Flex QC Sealant System must be clean, dry and sound. Prepare the substrate by sandblasting.

Iso-Flex 900: Concrete substrates must be treated with Iso-Flex Primer #10 before the Iso-Flex 900 is installed.

Use a drill with a Jiffy/paddle type mixer for best mixing results. Pour the Part A and Part B liquids into a clean 5-gallon bucket. Immediately and progressively add in the pre-packaged aggregate while mixing, until all aggregate has been added. Mix for approximately 2 minutes. Once fully mixed, immediately pour the Iso-Flex product onto the prepared surfaces.

Iso-Flex 888QC: Thorough surface preparation is essential to insure a clean, dry and, sound joint interface. All joint edges should have a tooled radius wherever possible. They should be cleaned by sand blasting, by power wire brushing, or by grinding the edge to insure a clean, sound substrate. Install the Iso-Flex 888 QC 1/4" below the joint surface.

Bond Breaker: Iso-Flex 888QC sealant should not be applied directly over cork, or fiberboard fillers, which are usually damp and not tight in the joints. These fillers should be cut out deep enough to allow insertion of proper size filler, to obtain tight back-up and bond breaker. Use foam fillers as recommended by the manufacturer.

PRECAUTIONS

To ensure safe installation of the Iso-Flex QC Sealant System, please refer to the Material Data Safety Sheet for detailed health and safety information prior to use.

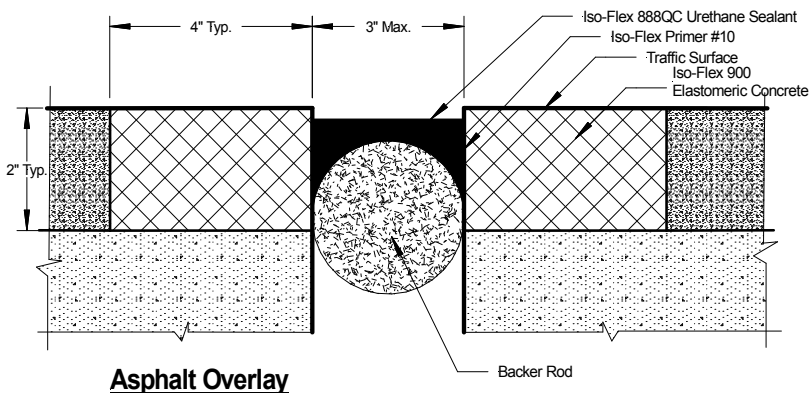
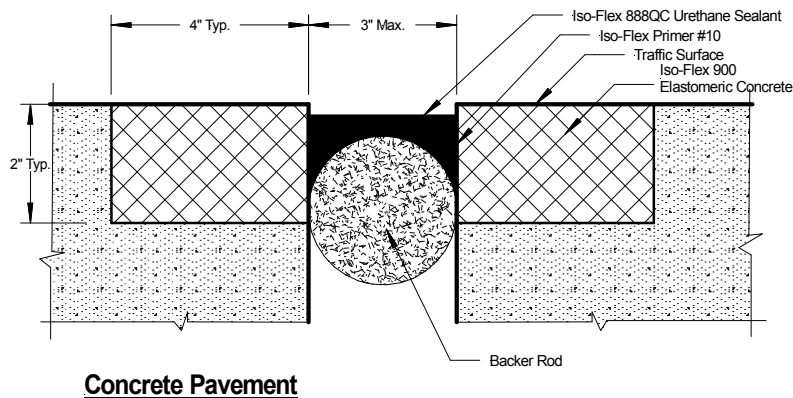
MAINTENANCE

In the event of damage to the sealant in the joints, proven procedures are available for repairing and rebonding Iso-Flex Sealants to the existing sealant.

WARRANTY

LymTal warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject product. LymTal shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

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LymTal International, Inc.