

Iso-Flex[®] 980 Sealant

PRODUCT DESCRIPTION

Iso-Flex 980 is a two-component, high modulus, aliphatic polyurethane elastomer for use under pedestrian and vehicular traffic. This compound is designed to withstand heavy loading from women's heels and vehicular traffic in plazas, parking structures, and other traffic conditions.

BASIC USES

Iso-Flex 980 is used as a nosing compound for locking polyurethane expansion joint seals into various expansion joint configurations, factory floor control joints and for filling small voids in concrete prior to installing a traffic deck coating. It is also used in sidewalk and plaza control joints with limited movement where a firm high durometer urethane sealant is required.

ADVANTAGES

- Iso-Flex 980 sealant cures rapidly to a tough elastomer, having exceptional resistance to wheel and foot traffic.
- Iso-Flex 980 sealant has been designed for use under extended water immersion.
- Iso-Flex 980 polyurethane sealant contains no asphalt or coal tar additives, and is among the most dimensionally stable sealants available.
- Iso-Flex 980 sealant is specifically designed to resist high heel traffic.

LIMITATIONS

- Performance of this sealant is closely related to preparation, application techniques and structural behavior. Installation conditions should be as recommended by the manufacturer.
- Use only in joints designed for the movement capabilities of the product (± 12.5 %).
- Install at 40 °F (5 °C) or above.

PACKAGING

Available in 1.75 gallon containers.

STANDARD COLORS

Concrete Grey (*Special colors available on request*)

APPLICABLE STANDARDS

Iso-Flex 980 will meet and exceed the requirements of ASTM C920, Type M, Class 12½, Use T, NT, M.

INSTALLATION

Preparatory Work: Thorough surface preparation, to insure a dry, clean, sound joint edge, is essential to a good joint sealant application. Joint edges should be cleaned by hand, by power wire brushing, or by grinding the edge to ensure a clean, sound substrate.

TECHNICAL DATA FROM LABORATORY TESTS

Property	Test Method	Test Results
Movement Capability	ASTM C719	± 12.5 %
Tensile Strength	ASTM D412	400 psi
Ultimate Elongation	ASTM D412	300 %
Hardness (Shore A)	ASTM C661	55 ± 5
Weight Loss, Heat Aging	ASTM C792	< 5%
Peel Adhesion – Concrete	ASTM C794	50 lbs.
Pot Life @ 70°F	—	30 min.
Shelf Life @ 70°F	—	6 months in sealed container
Cure Time @ 75°F	ASTM C920	24 hours
Low Temperature (Flexibility @ - 40°F)	ASTM D1790	Pass
Service Temperature	—	-40 °F to 150 °F

Bond Breaker: 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 a proper size filler, to obtain tight back-up and bond breaker. Use foam fillers as recommended by the manufacturer.

Applications: All joints must be carefully and thoroughly primed, using prescribed primers. Sealant is mixed and applied to the joint with conventional caulking equipment. Fill the joint completely and tool immediately to ensure full contact with the interfaces of the joint.

Caution: Joints should be protected from water immersion, due to rain or snow, during the initial cure. Iso-Flex 980 Sealant should not be installed over damp or wet fillers.

PRECAUTIONS

Use Iso-Flex 980 with adequate ventilation and personal protection. Refer to Material Safety Data 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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