Iso-Flex® 881 Sealant

PRODUCT DESCRIPTION
Iso-Flex 881 is a two-component, non-sag, aliphatic, chemically curing, urethane sealant for use in engineered joints.

BASIC USES
Typical applications include: control joint and expansion joint systems for parking structures, stadiums, plazas, water and sewage treatment facilities, and other types of concrete construction. Iso-Flex 881 is unsurpassed in toughness and durability. Iso-Flex 881 can be used in all critical installations and whenever traffic is involved.

ADVANTAGES
- Iso-Flex 881 sealant cures rapidly to a tough elastomer, having exceptional resistance to wheel and foot traffic.
- Iso-Flex 881 sealant has been designed for use under extended water immersion.
- Iso-Flex 881 polyurethane sealant contains no asphalt or coal tar additives, and is among the most dimensionally stable sealants available.

LIMITATIONS
- Performance of this sealant is closely related to preparation, application techniques and structural behavior. Installation conditions should be as recommended by the manufacturer.
- Install at 40°F (5°C) or above.

PACKAGING
Available in 1.75 gallon units.

STANDARD COLORS
Concrete Grey, Black, Off White

APPLICABLE STANDARDS
Iso-Flex 881 will meet and exceed the requirements of ASTM C920, Type M, Class 25, Use T, NT, M.

INSTALLATION
Preparatory Work: Thorough surface preparation is essential. It is required that joint interfaces be dry, clean, and sound for an effective sealant application. Grind or sandblast the joint edges to remove laitance, unsound concrete and contaminents. When grinding do not glaze surface.

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.

TECHNICAL DATA FROM LABORATORY TESTS		
Property	Test Method	Test Results
Movement Capability	ASTM C719	± 25%
Tensile Strength	ASTM D412	300 psi
Ultimate Elongation	ASTM D412	600%
Hardness (Shore A)	ASTM C661	30 ± 5
Low Temperature (Flexibility @ -40ºF)	ASTM D1790	Pass
Heat Aging	ASTM C920	6%
Shelf Life @ 70ºF in sealed container	——	6
Recovery	ASTM C920 Bond Durability Test Blocked @ 25% for 48 hours	98%
Water Immersion	Samples between masonry blocks will withstand water immersion while elongated 25%	

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 881 Sealant should not be installed over damp or wet fillers.

PRECAUTIONS
Use Iso-Flex 881 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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