

Iso-Flex 700[®] Patching Compound

PRODUCT DESCRIPTION

Iso-Flex 700 is a two-component, high solids, polyurethane elastomer. This product has high modulus and flexibility which makes it suitable as a fill coat for badly spalled concrete, an encapsulating compound for exposed post-tensioning strands or a flexible concrete patching compound.

ADVANTAGES

- Iso-Flex 700 is rapid curing, eliminating the need for long waits associated with cementitious patches.
- Iso-Flex 700 cures to a flexible patch which will help to absorb thermal movement.

LIMITATIONS

- Iso-Flex 700 is an aromatic polyurethane and will yellow and slightly chalk if left exposed to ultraviolet light.
- Because of the high modulus, Iso-Flex 700 has limited movement capabilities and should not be used as a joint sealant.

PACKAGING

Iso-Flex 700 is available in 5 gal. containers

STANDARD COLOR

Mortar Grey

INSTALLATION

Iso-Flex 700 must be applied to clean dry sound concrete. The surface must be primed with an Iso-Flex Primer. The Iso-Flex 700 is mixed and installed by a flat squeegee over spalled concrete, or poured directly into large spalled areas and over post-tensioning cables. Iso-Flex 700 can be extended up to 1:1 by volume with a clean dry aggregate (12-30 mesh size). If a subsequent application of a polyurethane coating is required, it must be installed within a 24 hour period.

PRECAUTIONS

Use Iso-Flex 700 with adequate ventilation and

personal protection. Refer to Material Safety Data Sheet for detailed health and safety information prior to use.

MAINTENANCE

Iso-Flex 700 can be repaired by using specific procedures available from the manufacturer.

TECHNICAL DATA FROM LABORATORY TESTS		
(Field Properties May Vary)		
Property	Test Method	Test Result
Weight Per Gallon		9.1 lbs/gal
Hardness (Shore A)	ASTM D2240	70-80
Viscosity @ 77°F(25°C)	ASTM D2196 #4 RVT @ 20 rpm	4000-8000 cps
Flash Point	ASTM D93	110°F (43.3°C)
Cure Time @ 77°F(25°C)	ASTM C920	6-8 hours
Abrasion Resistance	ASTM D4060 Tabor 1,000 Rev. CS 17 Wheel, 1000g	Loss 0.01 grams
Weathering Resistance	ASTM G53-83	Yellowing, Chalking
Permeability	ASTM E398	1.6 perms
Peel Adhesion	ASTM C794	50 pli
Tensile Strength	ASTM D412	1200 psi
Ultimate Elongation	ASTM D412	350%
Tear Resistance	ASTM D1004	100 pli
% Yield (Wet→Dry)		90%
Pot Life @ 77°F(25°C)	ASTM C603	30 mins
Shelf Life @ 77°F (25°C) in sealed containers		6 months

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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