

Iso-Flex® 735 Grout

PRODUCT DESCRIPTION

Iso-Flex 735 is a two-component, aliphatic polyurethane elastomer. It cures to a medium hardness and durometer which enables the product to support a load with minimal deflection and also absorb low movement without cracking.

BASIC USE

Iso-Flex 735 is a grout used to fill weld pockets, spalls in concrete, and voids between vibrating transportation rails and concrete. Suitable for sealing penetrations through concrete slabs. The Iso-Flex 735 can be extended with 16-30 mesh sand to reduce the cost and increase the load bearing properties. Extending 2½ gallons of grout with 2½ gallons of sand will yield approximately 3¾ gallons.

ADVANTAGES

- easy to mix and install.
- remains flexible over a wide temperature range.
- cures at temperatures down to 32° F.
- can be coated or painted in 16 to 24 hours.
- bonds to concrete and blasted steel.
- can be extended with aggregate 1:1 by volume.
- has excellent weatherability.
- can be used in direct sunlight.

PACKAGING

Iso-Flex 735 is available as a 2 gallon unit and as a 2½ gallon unit (in a 6 gallon pail for extending).

STANDARD COLORS

Grey, Black, and White

INSTALLATION

Surfaces to receive the Iso-Flex 735 must be clean, dry and sound. Prepare the substrate by shotblasting or sandblasting. The substrates must be primed before the Iso-Flex 735 is installed. For concrete only, prime with Iso-Flex Primer 750 or Iso-Flex Primer #10.

If both concrete and steel are the substrates, prime with Iso-Flex Primer #20 or use Iso-Flex Epoxy SF, for rough surfaces.

Thoroughly mix the base component then add the cure and apply as a liquid membrane. As a grout add 2½ gallons of 16-30 mesh sand to 2½ gallons of Iso-Flex 735. When mixed the grout can be poured into the primed areas.

TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	Test Results
VOC	Calculated	40 g/l
Viscosity	Brookfield RVF No. 4 @ 20 RPM	4,000 - 6,000 cps
Weight/Gallon	—	8.4 lbs.
Flash Point	Cleveland CC	145° F
Work Life	—	35 - 40 minutes
Tack Free Time	—	2 - 2 1/2 hours
Cure Time	—	12 - 16 hours
Hardness (Shore A)	ASTM D2240	60 - 65
Tensile Strength	ASTM D412	700 - 800 psi
Elongation	ATSM D412	1,000 - 1,200 %
Tear Strength	ASTM D1004	300 - 350 psi
Adhesion to Concrete	ASTM D4541	350 psi (concrete failure)
Weathering	ASTM G53	No Change, 2,000 hrs.
Water Absorption	21 days Immersion	<2% by weight

PRECAUTIONS

Use Iso-Flex 735 with adequate ventilation and personal protection. Refer to Material Safety Data Sheets that accompany each product shipment

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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