

Iso-Flex® 900 *Elastomeric Concrete*

PRODUCT DESCRIPTION

Iso-Flex 900 is a three component polyurethane based elastomeric concrete material. It cures to a hardness and durometer that enables the product to support loading with minimal deflection and will also absorb impact without cracking.

BASIC USES

Iso-Flex 900 Elastomeric Concrete is used primarily as an expansion joint header material, a flexible nosing material for extruded aluminum expansion joint assemblies, and a patching compound for spalls and pockets in concrete deck surfaces.

ADVANTAGES

- Easy to mix and install.
- The three system components are conveniently pre-proportioned and packaged together for easy field mixing.
- Remains flexible over a wide temperature range.
- Cures at temperatures down to 32° F.
- Bonds to concrete, aluminum and steel.
- Has excellent weatherability.
- Can have a thixotropic additive for sloped surfaces.

LIMITATIONS

- Apply to clean, dry, sound substrate.
- The application temperature must be above 40° F.

PACKAGING

Available in 1,000 in³ kits. Equivalent to approximately 4.33 gallons, or 0.58 ft³

STANDARD COLORS

Black

INSTALLATION

Preliminary: Surfaces to receive the Iso-Flex 900 Elastomeric Concrete material must be clean, dry and sound.

Preparation: Prepare the substrate by sandblasting.

Installation: 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 6-gallon bucket. Immediately and progressively add in the pre-packaged aggregate while mixing, until all aggregate has been added. Mix for approximately 1 minute. Once fully mixed, immediately pour the Iso-Flex product onto the prepared surfaces.

PRECAUTIONS

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

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.

TECHNICAL DATA FROM LABORATORY TESTS		
Property	Test Method	Test Results
Tensile Strength	ASTM D412	1680 psi
Elongation @ Break	ASTM D412	240% min
Hardness (Shore A)	ASTM D2240	80+/-3
Tear Strength	ASTM D624	195 lbs/inch
Adhesion Properties Bond to Concrete	ASTM C109	422 psi min.
Pot Life once A & B are mixed		20 min.
Ozone Resistance	ASTM D1149	No Cracks
U.V. Resistance	ASTM G53	Excellent
Compress. Strength 5% deflection Resilience, %	ASTM D695	1442 psi min. 96% min.

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