

Iso-Flex® 100 Epoxy Resin

PRODUCT DESCRIPTION

Iso-Flex 100 Epoxy Resin is a two-component epoxy resin, containing no solvents or coal tar. Iso-Flex 100 Epoxy Resin is designed for use in both interior and exterior (if topcoated) applications.

BASIC USES

Iso-Flex 100 Epoxy is recommended for several basic applications:

- As a base resin used as a coating, to encapsulate wear resistant aggregates and as a lock coat.
- As an **overlay** with aggregate, to provide traction and wear resistance to concrete floors. Filled with silica sand, aluminum oxide or other suitable wear resistant filler.

LIMITATIONS

- Iso-Flex 100 Epoxy Resin should be installed above 40°F.
- Keep from Freezing

PACKAGING

Available in 5 gallon units.

STANDARD COLORS

Concrete Gray, Mortar Gray and Tan

INSTALLATION

Shotblasting must be employed to provide a sound, clean substrate. In areas where shotblasting is not feasible, consult the manufacturer for other methods of surface preparation.

Apply Iso-Flex 100 Epoxy Resin to a dry surface.

Coating System:

Parts A and B should be mixed separately before combining. When combined mix thoroughly with a low speed motor and "Jiffy" paddle. Always scrape the container sides and paddle blades. Do not aerate the mix.

TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	Test Results
Weight per gallon		10.1 lbs/gal.
Hardness (Shore D)	ASTM D2240	70-80
Viscosity @ 77°F(24°C)	ASTM D2196 #4 RVT @ 20 rpm	4000-6000 cps
Cure Time @ 75°F(24°C)	ASTM C920	12-24 hours
Abrasion Resistance	ASTM D4060 Tabor 1000 rev CS17 Wheel, 1000g	Loss 0.08 grams
Weathering Resistance	ASTM G53-83	Yellowing
Tensile Strength	ASTM D412	5800 psi
Ultimate Elongation	ASTM D412	15%
Tear Resistance	ASTM D1004	180 pli
% Yield (Wet→Dry)		99%
Pot Life @ 77°F(25°C)	ASTM C603	35 mins
Shelf Life @ 77°F(25°C)		(2 years in sealed containers)
Chemical Resistance	Unaffected by gasoline, oils and coolants	

Concrete Overlay:

Use as a slurry coat to add strength and wear resistance. Mix Parts A & B, then add fine silica sand, aluminum oxide or other suitable filler. The amount added will dictate the resulting density and surface texture.

Iso-Flex Epoxy 100 Resin can be left as cured, or it can be top coated with a urethane to enhance the color and wear resistance.

PRECAUTIONS

Epoxy systems are skin irritants. Please refer to the Material Safety Data Sheets that accompany each product shipment for proper handling instructions

MAINTENANCE

Iso-Flex 100 Epoxy Resin will provide a long, effective service life when properly used. Damaged areas may be repaired in the field using methods approved by the manufacturer.

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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