

Iso-Flex® Epoxy 200 Overlay System

PRODUCT DESCRIPTION

Iso-Flex Epoxy 200 Overlay System is a flexible two-component epoxy resin system developed for use on concrete surfaces requiring a traffic bearing surface that is a slip resistant overlay.

BASIC USES

Iso-Flex Epoxy 200 Overlay System is recommended for several basic applications:

- Bridge Decks
- Parking Structures
- Drive Ramps and other surfaces requiring a wear and skid resistant surface.

LIMITATIONS

- Iso-Flex Epoxy 200 Overlay System should be installed above 40°F and below 90°F.
- Apply only to fully cured concrete.

PACKAGING

Available in 10 gallon units or bulk 110 gallon packaging.

STANDARD COLORS

Amber Clear, Mortar Grey, Dark Grey & Black (Special colors available upon request at additional cost)

MIXING INSTRUCTIONS

Parts A and B of the Epoxy 200 resin should be mixed separately before combining. The mix ratio is 1:1 by volume. 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.

PREPARATION

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. The substrate must be dry at time of application.

- **Spall Repair:** An Epoxy 200 grout mix can be used to fill spalls before overlay installation. A prime coat of Iso-flex Epoxy 200 should be applied. While still tacky place an aggregate filled Iso-Flex Epoxy 200 mortar and screed or trowel to the desired thickness. Do not over trowel and ensure proper termination and edge details.

TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties May Vary)

Property	Test Method	Test Results
VOC		< 3 g/l
Weight per gallon		8.8 lbs/gal.
Hardness (Shore A)	ASTM D2240	72-80
Viscosity @ 77°F(24°C)	ASTM D2196 #4 RVT @ 20 rpm	1000-2500 cps
Cure Time @ 75°F(24°C)	ASTM C920	12 hours
Abrasion Resistance	ASTM D4060 Tabor 1000 rev CS17 Wheel, 1000g	Loss 0.06 grams
Weathering Resistance	ASTM G53-83	Yellowing
Tensile Strength	ASTM D412	2800 psi
Ultimate Elongation	ASTM D412	40%
Tear Resistance	ASTM D1004	180 pli
% Yield (Wet→Dry)		99%
Pot Life @ 77°F(25°C)	ASTM C603	30 mins
Shelf Life @ 77°F(25°C)		(2 years in sealed containers)
Chemical Resistance	Unaffected by gasoline, oils and coolants	

- **INSTALLATION:** Apply the Iso-Flex Epoxy 200 resin over the prepared surface using notched squeegees and rollers. Apply the first Binder Coat as outlined below. Immediately load to excess with dry silica sand utilizing 12/20 mesh clean, dry aggregate to full saturation. After the binder has cured broom or blow off excess aggregate and apply the second Binder Coat as outlined below. Immediately load to excess with dry silica sand utilizing 12/20 mesh clean, dry aggregate to full saturation. After the second binder coat has cured, broom or blow off excess aggregate and apply a lockcoat of Iso-Flex Epoxy 200 resin as outlined below.

	<u>Dry Mils</u>	<u>Coverage (SqFt)</u>
Binder Coat 1	12 mils	133
Binder Coat 2	30 mils	53
Seal Coat	20 mils	80
Total System	62 mils	
Sand (12/20 grit)	Approx. 2 lbs/SqFt in both Binder Coats	

PRECAUTIONS

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

MAINTENANCE

Iso-Flex Epoxy 200 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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