

ISO-FLEX® 200

Epoxy resin

DESCRIPTION:

ISO-FLEX® 200 epoxy resin is a relatively flexible two-component epoxy resin designed for repair applications for both interior and exterior use.

BASIC USE:

ISO-FLEX 200 epoxy resin is recommended for several basic applications:

- As a binder for sand-filled epoxy mortars for use as a patching material or joint nosing.
- As a base resin for sand-filled polymer overlays used for traffic surface repairs.

COMPOSITION AND MATERIALS:

ISO-FLEX 200 epoxy resin is a two-component epoxy containing no solvents, coal tar, or plasticizers.

STANDARD COLORS:

Mortar Gray, Black.
(Special colors available upon request.)

PACKAGING:

ISO-FLEX 200 epoxy resin is available in 1 gallon (3.8 litre) and 5 gallon (18.9 litre) units.

LIMITATIONS:

ISO-FLEX 200 epoxy resin does not cure at temperatures less than 40 degrees F (4.4 degrees C).

PRECAUTIONS:

Epoxy systems are skin irritants. Please refer to the Material Safety Data Sheet (MSDS) for proper handling characteristics.

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 200 epoxy resin to dry surface.
- Prime areas to receive epoxy mortar applications with the mixed resin prior to installation.
- For polymer overlay applications, spread mixed epoxy resin over prepared surface and distribute aggregate until surface is completely covered.
- Install above 50 degrees F (10 degrees C).

MAINTENANCE:

Master Builders, Inc.

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Fax (216) 831-6910

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(800) 387-5862
Fax (416) 741-7925

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Blvd. M. Avila Camacho 80, 3er Piso
53390 Naucalpan, México
011-525-557-5544
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ISO-FLEX 200 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.

TECHNICAL DATA:

(Field Properties May Vary)

Property	Test Method	Base Coat
Weight per gallon	—	9.0 pounds/gallon
Color	—	Amber
Hardness (Shore D)	ASTM D2240	70 to 80
Viscosity @ 75 degrees F (23.9 degrees C)	ASTM D2196 Brookfield RVT # 5 at 20 RPM	700 to 1000 cps
Cure Time @ 75 degrees F (23.9 degrees C)	ASTM C920	24 hours
Tensile Strength	ASTM D412	3500 psi
Ultimate Elongation	ASTM D412	30%
Abrasion Resistance	ASTM D4060 Tabor 1000 rev. CS 17 Wheel 1000 grams @ 1000 cycles	0.060 grams
Heat Deflection Temperature	ASTM D648	110 degrees F (43.3 degrees C)
Pot Life @ 77 degrees F (25 degrees C)	—	30 minutes
Shelf Life (in sealed containers) @ 75 degrees F (23.9 degrees C)	—	1 year
Chemical Resistance	No effect from 15% NaCl, Motor Oil, Brake Fluid, Anti-Freeze, Gasoline, Chlorinated Solvents, Ketones, Mineral Spirits.	

NOTE:
TECHNICAL DATA, shown above, is based on performance of new material only. Once applied, material properties are likely to be affected over time due to environmental factors such as aggressive UV exposure or extreme temperatures.