



FX-464

Heat Resistant Epoxy Coating

DESCRIPTION:

FX-464 Heat Resistant Epoxy Coating is a highly crosslinked novolac epoxy coating. **FX-464** is especially formulated to protect concrete, steel and other substrates from high temperatures and corrosion. Two-component 100% solids, **FX-464** has a convenient 1:1 by volume mix ratio and is easy to apply.

ADVANTAGES:

- Stable up to 400°F
- High chemical resistance to acids, alkalies and other chemicals
- Cures under high humid conditions
- Excellent hardness and gloss
- No blush or exudation

WHERE TO USE:

As a wall and floor coating for:

- Food and beverage processing plants
- Meat and dairy processing plants
- Chemical plants
- Laboratories
- Aircraft hangars
- Jet engine test cells
- Plant maintenance coating
- Pipe coating
- Tank coating

PHYSICAL PROPERTIES:

Finish	High Gloss
Color	Gray/Standard
Pot Life	30 minutes @ 72°F
Mixing Ratio	1Part"A"to1Part"B"
	By Volume
Tack Free	6 hours @ 72°F
Full Cure	5 days @ 72°F
Force Cure	4 hours @ 180°-200°F
Recommended Film Thickness	2 Coats @ 10-15 mils each
Coverage Rate	53.4 sq. ft./gal. @ 30 mils
Flash Point	Above 200°F

CURED:

Chemical resistance – acids, alkalies, alcohols, acetone, cellosolves, toluene, xylene and other solvents. 100% retention of flexural strength after two (2) weeks cure followed by seven (7) days immersion at 77°F and 140°F in the following:

Nitric Acid	45%
Sulfuric Acid	20%
Hydrochloric Acid	35%
Acetic Acid	35%
Sodium Hydroxide	50%
Potassium Hydroxide	50%
Sodium Hypochlorite	15%

SURFACE PREPARATION:

Remove dirt, loose particles and oil contaminants by scarification, sandblasting, or acid etching and thoroughly rinsing with water.

MIXING:

Mix 1 part "A" Component with 1 part "B" Component using a low-speed, 1/2" **FX-Mixing Paddle** for 3-5 minutes. Apply immediately. Apply by brush or roller or spray. May require heat for spraying. High temperatures will shorten pot life.

APPLICATION:

FX-464 can be applied by brush or roller or airless spray equipment. **FX-464** is designed to be applied in two (2) coats at 10 to 15 mils each. Heating and plural component apparatus should be used when spraying. Recommended plural component spray equipment is Graco Extreme Mix 68:1 with heaters on unit plus heated lines, or approved equal. Recommended spray tip size is .019 to .021. All spray equipment must employ traps to prevent water and oil from contaminating coating.

COVERAGE:

80 to 120 square feet per gallon.

SHELF LIFE: 2 years

CAUTION:

WARNING! "A" Component contains Epoxy Resin. "B" Component contains alkaline amines; strong sensitizer. May cause skin sensitization or other allergic responses. Avoid inhalation of vapor. Use good ventilation, particularly if the material is heated or sprayed. Prevent all contact with skin and eyes. Wear protective clothing, goggles, gloves, and/or barrier creams. If contact with skin occurs, wash immediately with water and contact a physician.

FIRST AID:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Discard contaminated shoes. Wear protective clothing, goggles, gloves, and/or barrier creams.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 3/2008