



# FX-3116

## Glass Flaked Epoxy Coating

### DESCRIPTION:

**FX-3116 Glass Flaked Epoxy Coating** is a solvent free epoxy novolac coating designed for protection of concrete and metals in aggressive service. **FX-3116** contains glass flake reinforcement and provides a tough, chemical resistant, flexible coating that is ideally suited for aggressive water service (salt, brackish). Enhanced by multi functional chemistry, the **FX-3116** is suited for acid and caustic service, and is excellent in water environments.

### WHERE TO USE:

- Trenches
- Containment Vessels and Dikes
- Tank Linings
- Process area surfaces.

### PHYSICAL PROPERTIES:

Temperature: Immersion Service	Max. 230°F, Spike to 300°F (3 hrs.)
Chemical Resistance	
Water	Excellent
Alkalies	Excellent
Inorganic Acids	Very Good
Organic Acids	Good
Organic Solvents	Very Good
Abrasion	Good
Flexibility	Good
Film Thickness	15-25 mils per coat
Immersion	2 or 3 coats
Solids by Volume	100%
Viscosity	10,000 - 15,000 cps
Pot Life	30 min. per gallon @ 75°F
Mix Ratio	2:1 by volume (Base:Activator)
Color	Gray (special order colors available)
Shelf Life	2 years at 55-95°F, 13-35°C
Coverage	60-100 ft. <sup>2</sup> per gallon per coat

### SURFACE PREPARATION:

Steel surfaces are to be abrasive blasted with chloride free abrasive. Exterior applications to SSPC SP-10 near white metal finish. Immersion applications to SSPC SP-5 white metal. Grind flat all burrs, weld seams, radius sharp edges. Fresh blasted surfaces to be primed with **FX-3116**.

Concrete surfaces: Recommended for hand or roller application. Concrete surfaces should be degreased if oil and grease con-

tamination is present. Degreased surface shall be high pressure washed, acid etched and high pressure washed again so surface is clean and free of all grease, oils and surface laitance. Existing coating should be abrasive blasted to clean concrete.

### MIXING:

Thoroughly mix Activator into Base with mixing stick or drill with low speed mixing blade. Mix by volume, 2 parts "A" to 1 part B. Mix well until uniform color. Avoid entrapping air.

**THINNING:** Never thin.

### APPLICATION:

Brush: Use medium to stiff bristle of sufficient quality that bristles do not pull out and stick in coating. Trim or tape to 1" nap.

Roller: Use good quality 1/8" nap.

Plural Spray: Use .023 - .032 tip, 3,000 - 3,500 psi, heat to 130°F Base, 110°F Activator. Airless Spray: Not Recommended.

Conventional Spray: Not Recommended

All spray equipment should employ traps to prevent water and oil from contaminating coating and screens to prevent particulate contamination.

### TEMPERATURE:

Material – Keep between 55 – 95°F (13 – 35°C).

Substrate – Keep between 45 – 105°F (7 – 40°C). The difference in temperature of the substrate and the coating should never exceed 10°F, 5°C.

**Cure Time** – Brush or roller, recoat between 6 and 8 hours at 72°F, 25°C. When spraying, recoat between 5 and 8 hours. Full cure before immersion 3 days at 77°F. Force Cure: 12 hours at 150°F, 66°C.

### CLEAN-UP:

M.E.K. or similar

### WARNING:

Base contains epoxy resin. Activator contains alkaline amines, a strong sensitizer. May cause skin irritation, sensitization or other allergic responses. Use with good ventilation, particularly if heated or sprayed. Prevent all contact with skin or eyes. Wear protective clothing, goggles, gloves or barrier creams. Keep containers closed when not in use. Wash thoroughly after handling. In case of skin contact, immediately wash with soap and water. In case of eye contact, flush with water for 15 minutes. If irritation persists, seek medical attention.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 1/2002