



# FX-498

## Hydro-Ester® Epoxy Mastic High-Build Coating

### DESCRIPTION:

**FX-498 Hydro-Ester® Epoxy Mastic High-Build Coating** is a 100% solids, moisture-insensitive, epoxy resin system. When mixed at a 1:1 ratio, by volume, it produces an excellent coating for dry or damp concrete, wood or steel surfaces.

### ADVANTAGES:

- Easy to apply.
- Corrosion-resistant.
- Can be applied to dry or damp surfaces.
- Suitable for intermittent exposure to 300° F (148.9° C).
- To provide a tough, chemical and abrasion-resistant coating on concrete, wood or steel

### WHERE TO USE:

**FX-498** is used on piles, piers, and concrete or steel tanks where concrete or steel needs to be protected from abrasive environments.

### PHYSICAL PROPERTIES:

Color	Gray & Orange (other colors are available as special order products)		
	60° F (15.6° C)	75° F (24.0° C)	90° F (32.2° C)
Pot Life	70 mins.	35 mins.	15 mins.
Tack Free Time	10 hrs.	6 hrs.	2.5 hrs.
Tensile Strength (ASTM D 638)	5000 ± 500 psi (34.5 ± 3.4 MPa) - 7 days		
Tensile Elongation (ASTM D 638)	7.5% ± 2.5 - 14 days		
Compressive Strength (ASTM D 109 Mod.)	6000 ± 500 psi (41.4 ± 3.4 MPa) - 7 days		
Viscosity	6500 cps ± 1000 #6 spindle @ 50 rpm by Brookfield Viscometer		
Di-Electric Strength S/T, Volt per mil	440-465		
Di-Electric Breakdown Voltage *Voltage per mil-20 mil film	Exceeds 625 volts/mil		
Power Factor (ASTM D 1304)	0.0006 to 0.0007		

### SURFACE PREPARATION:

**Steel Surfaces:** Steel surfaces should be dry grit or abrasive blasted to commercial gray metal finish as specified by the Steel Structures Painting Council SP-6. All work blasted shall be coated

the same day with **FX-408 Zinc Rich Primer**. For immersion service, blast to near white blast SSPC SP-10.

**Concrete Surfaces:** Concrete surfaces shall be cleaned to remove dirt, curing compounds, existing coatings or laitance to provide a clean, sound bonding surface. Cleaning may be accomplished with **FX-Masonry Cleaner** and water blasting, acid etching and water blasting, sandblasting, or other methods that would achieve a similar result.

### MIXING:

Stir Components A and B thoroughly before mixing. Combine one part by volume of A with one part by volume of B (mixing ratio 1:1). Mix for not less than three minutes, using a slow speed drill, (300 to 600 rpm) and an **FX-Mixing Paddle**.

### APPLICATION:

**FX-498 Hydro-Ester® High Build Coating** may be applied by brush, roller or spray. All spray equipment must employ traps to prevent water and oil from contaminating coating. Under adverse weather conditions thinning may be desired. First, mix **FX-498** and then add approximately 5% **FX-498 Thinner** by volume. Minimum ambient application temperature is 40°F. (Note: Cure time will be extended in cold weather applications.)

### COVERAGE:

**FX-498** will cover approximately 200 sq. ft./gal. (18.6 m<sup>2</sup> per gal.) at a thickness of eight (8) mils, dependent upon surface texture. For best results, use two (2) coats.

### SHELF LIFE: 2 years

### PACKAGING:

**FX-498** is packaged in two (2) gallon and ten (10) gallon units.

### CAUTION:

"A" Component contains epoxy resin. DANGER! "B" Component contains alkaline amines; strong sensitizer. May cause skin sensitization or other allergic responses. Use with good ventilation, particularly if material is heated or sprayed. Prevent all contact with skin or eyes. Wear protective clothing, goggles, gloves and/or barrier creams. Keep container closed when not in use. Wash thoroughly after handling.

### FIRST AID:

In case of skin contact, immediately wash with soap and water. In case of eye contact, flush eyes with copious amounts of water for at least fifteen (15) minutes. Remove contaminated clothing shoes. If irritation persists, seek medical attention. Wash clothing before reuse.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 10/2011