



FX-70-9[®]

Hydro-Ester[®]

Coating

DESCRIPTION:

FX-70-9[®] Hydro-Ester[®] Coating is a 100% solids, moisture-insensitive epoxy coating, containing no solvents. **FX-70-9[®]**, mixed at a 2:1 ratio, produces a tough, chemical and abrasion-resistant coating for dry or damp surfaces. **FX-70-9[®] Coating** is acceptable for contact with potable water.

ADVANTAGES:

FX-70-9[®] can be applied to concrete, wood or steel. Will cure and adhere in damp environments. **FX-70-9[®]** has excellent resistance to water, chemicals and hydrogen sulfide.

PHYSICAL PROPERTIES:

Color	Fed Standard No. 595, Color No. 26622 Gray - other colors are available as special order products
Pot Life	30 minutes min. 72°F +/-2
VOC Content (mixed)	0.1 lbs/gallon
Tensile Strength (ASTM D-638)	5000 psi min. (14 days)
Tensile Elongation (ASTM D-638)	5% min. (14 days)
Compressive Strength (ASTM C 109 Mod.)	7,500 psi (7 days)
Viscosity	12,000 cps +/- 1000
Solids Content	100%
Tack Free Time	3 hr max @ 75F
Abrasion Resistance (ASTM D 968)	60 liters per mil min
Dielectric Constant	
1 kiloHertz	4.65
1 megaHertz	4.15
Dissipation Factor	
1 kiloHertz	0.0216
1 MegaHertz	0.092
Volume Resistivity	$8.1 * 10^{14}$ ohm-inches
Surface Resistivity	$1.5 * 10^{15}$ ohms
Electric Strength	
Volt per mil	440-465

SURFACE PREPARATION:

Steel Surfaces: Steel surfaces should be abrasion blasted as specified by SSPC SP-6 Commercial Blast Finish. All work blasted shall be coated the same day with **FX-408 Zinc Rich Primer**.

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, abrasion blasting, or other method that would achieve a similar result.

MIXING:

Stir Components "A" and "B" thoroughly before mixing. Combine two (2) parts by volume of "A" with one (1) part by volume of "B" (mixing ratio 2:1). Mix for not less than three (3) minutes with a slow speed drill (300 to 600 rpm), and a FX-Mixing Paddle.

APPLICATION:

FX-70-9[®] may be applied by brush, roller or spray. All spray equipment must employ traps to prevent water and oil from contaminating coating.

COVERAGE:

FX-70-9[®] will cover approximately 200 sq. ft. per gal. per coat at a thickness of eight (8) mils, dependent upon surface texture. For best results, use two (2) coats.

PACKAGING:

FX-70-9[®] is packaged in three (3) gallon, and fifteen (15) gallon units.

LIMITATIONS:

FX-70-9[®] should not be applied when surface temperatures are below 40°F.

SHELF LIFE: 2 years

CAUTION:

WARNING! 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 and shoes. If irritation persists, seek medical attention. Wash clothing before reuse.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 7/2009