



FX-752

Hydro-Ester® All Purpose Epoxy Bonding Agent

DESCRIPTION:

FX-752 Hydro-Ester® All Purpose Epoxy Bonding Agent is a two component, 100% solids epoxy resin system designed to bond new concrete to old and other materials to concrete. It has a convenient 1:1 mix ratio, by volume with a viscosity similar to heavyweight oil. **FX-752** exceeds the requirements of ASTM C-881-02, Types II, Grade 2, Class "B" and "C".

ADVANTAGES:

FX-752 can be used :

- to bond new concrete to old
- to grout machine base plates
- to place anchor bolts
- as a floor topping with good chemical resistant properties
- as a skid-resistant surface on concrete, steel or timber
- as a protective coating.

APPLICATION:

Bonding Agent - When used as an adhesive, bonding new concrete to existing surfaces, coat the existing area (concrete, steel, aluminum, wood) at a rate of 100 square feet per gallon (9 m²) on smooth surfaces, 60 square feet on rough (6 m²).

Apply topping while **FX-752** is tacky; if dry, recoat.

Coating - When used as a protective coating, apply the material at a rate of 200 square feet per gallon per coat (8 mils) (19 m²/3.79 L -or- 5 m²/L).

Epoxy Grout - When used as an epoxy grout for machine-base grouting, add 2 parts by volume of **FX-700 Epoxy Extender**, or 1 part by volume of **FX-701 Filler** to produce good flow.

FX-752	+	FX-701 Filler	=	MORTAR
1 gal.		1 gal. (3.8 L)		350 cu. in. (5.74 L)
1 gal.		2 gals. (7.6 L)		475 cu. in. (7.78 L)
1 gal.		3 gals. (11.36 L)		600 cu. in. (9.83 L)

FX-752	+	FX-700 Epoxy Extender	=	MORTAR
1 gal.		2 parts		500 cu. in. (8.19 L)
1 gal.		3 parts		750 cu. in. (12.3 L)

PHYSICAL PROPERTIES:

Color	Gray
Ratio A:B	1:1
Viscosity	6,000 cps

Modulus of Elasticity ASTM D 695	550,000 psi min. @ 28 days 3792 MPa
Bond Strength, Hardened to Plastic ASTM C 882	2,000 psi min. @ 14 days 13.79 MPa
Tensile Strength ASTM D 638	4,500 psi min. @ 7 days 31.03 MPa
Tensile Elongation ASTM D 638	3% @ 7 days
Flexural Strength (Modulus of Rupture) ASTM D 790	7,500 psi @ 14 days 51.7 MPa
Compressive Strength ASTM D 695	10,000 psi min. - 7 days 68.95 MPa
Water Absorption ASTM D 570	2 hour boil 0.40% - 7 days
Effective Shrinkage ASTM C 883	0%
Pot Life	30 mins. @ 60°F (15.6°C)
(1 gallon)	25 mins. @ 75°F (24°C) 15 mins. @ 90°F (32.2°C)
Tack-Free Time (7.5 to 8 mils thick)	6 hrs. @ 60°F (15.6°C) 3 hrs. @ 75°F (24°C) 1 hr. @ 90°F (32°C)

MIXING:

Stir Component "B" thoroughly before combining with Component "A". Combine 1 part volume of Component "A" with 1 part by volume of Component "B" for not less than (3) three minutes, using a slow-speed drill motor (300 to 600 rpm) and **FX-Mixing Paddle** for a uniform gray mixture. Scrape sides and bottom. Avoid entrapping air in mixture. Apply immediately after mixing to properly prepared surface.

APPLICATION:

Surface must be clean and sound. Remove rust, grease and curing compounds by best means available. **FX-752 Hydro-Ester® All Purpose Epoxy Bonding Agent** may be applied to dry or damp surfaces, but not in standing water. Apply by brush, roller or spray. Place fresh concrete while **FX-752** is still tacky. If epoxy hardens simply apply another coat.

(OVER)

SHELF LIFE: 2 years

LIMITATIONS:

Application to surfaces with a temperature below 50°F (10.0°C) prolongs cure. Do not use if surface temperature is below 40°F (4.4°C).

Epoxy resin (A Component) may crystallize. Heating material to 120°F and stirring will reconstitute material to original condition. Allow to cool before using.

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.