



EpoxySystems' Product #670

Vinyl Ester Coating/Mortar

PRODUCT #670 Field Formed System is formulated from a vinyl ester, low viscosity resin of 100% reactive solids in a composite with inorganic fiber reinforcement. It provides the ultimate in chemically resistant properties to prevent deterioration where reactive chemicals exist.

ADVANTAGES

PRODUCT #670 may be used even at 32°F (0°C) and still permits the efficient wetting out of fiber reinforcement. Set time can be controlled regardless of temperature by increasing or decreasing catalyst (Component "B"). The resin-cloth combination produces excellent impact resistant properties. A ten-year track record has proven that even under severe chemical exposure, it prevents deterioration in pickling tank operations where a 50% solution of hydrochloric acid is used.

PHYSICAL PROPERTIES

When tested with EpoxySystems' -Glass Reinforced Cloth, at 7 days, 75°F (24°C).

Tensile Strength Ultimate	ASTM D 638-68	12,000 psi
Flexural Strength	ASTM D 796-66	25,000 psi
Modulus of Elasticity	Flexural ASTM D 790-66	.7 x 10 ⁵ psi
Izod Impact	ASTM D 256	15-20
Density		78#/cu. ft.
Electrical Properties	ASTM D 150	Dielectric Constant 4.5 @ 60 HZ

USES

Steel, concrete, aluminum and timber tanks. Industrial flooring where high chemical resistance is required.

SURFACE PREPARATION

The surfaces to receive the **PRODUCT #670 Field Formed System** if concrete is new shall be a minimum of 3 days old when used with **Product #105 Catalytic Agent** in the concrete, for plain concrete, 7 to 14 days. Surfaces should be dry. The surfaces shall be lightly abrasive blasted, power wire brushed. If applied to steel, the steel should be abrasive blasted, brushed or other suitable preparation in accordance with SSPC-SA10. All grease, oil, dirt, or other deleterious substances shall be removed.

PACKAGING

PRODUCT #670 Vinyl Ester Resin is packaged as follows: The "A" portion is packaged in 1-gallon, 5-gallon, and 55-gallon drums. The "B" portion is packaged in containers with sufficient catalyst (promoter) to be mixed with the 1-gallon.

MIXING

For mixing quantities on the job site, mix 41 grams of "B" catalyst to one gallon "A" Resin.

APPLICATION

PRODUCT #670 shall not be applied when surface temperatures are less than 32°F (0°C). Shelf life when stored at temperatures of 70°F is three months. When stored at temperatures of 32°F, it is six months. For best results, use one coat resin and set reinforced cloth into it with the use of an aluminum grooved roller. Apply a second layer of resin and cloth. When hardened to the touch, apply the last coat of resin, saturating the cloth, to produce a sealed surface.

LIMITATION

Maximum continuous service temperatures is 180°F.

CAUTION

DANGER! FLAMMABLE! Contains Styrene Monomer. Causes eye burns and skin irritation. Vapor irritating. Repeated or prolonged contact cause skin burns.

Keep away from heat, sparks and flames. Keep container closed. Use with forced ventilation. Do not get into eyes. Avoid contact with skin and clothing. Avoid breathing vapor or mist. Wash thoroughly after handling.

FIRST AID: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Wash clothing before reuse. If swallowed, do not induce vomiting; drink 1 or 2 glasses of water or milk and call a physician. Never give anything by mouth to an unconscious person.

In case of fire, use dry chemical foam or carbon dioxide.

Flash Point: 92°F.

Consult Material Safety Data Sheet for further safety information.

FOR INDUSTRIAL USE ONLY

KEEP AWAY FROM CHILDREN

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