

Epoxy.com Product #661

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Epoxy.com Product #661

Vinyl Ester Novolac Binder

DESCRIPTION

Epoxy.com Product VINYL ESTER BINDER is a clear, 100% reactive, vinyl ester novolac used to coat or line concrete or steel surfaces in chemically aggressive industrial environments. It is used for coating primary and secondary containment, trenches, troughs, pump pads, and equipment.

ADVANTAGES

- Excellent resistance to a wide range of chemicals.
- High temperature performance; in many cases up to 350°F (spills) or 400°F (dry heat).
- Application by conventional painting techniques.
- Best overall performance coating for secondary containment.
- Self-extinguishing in thin films.

CONSIDERATIONS

- Substrate temperature must be a minimum of 50°F.
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials.
- Substrate must be completely dry.
- Requires skilled installers to assure successful results.

COMPOSITION

Two-component peroxide cured vinyl ester novolac.

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in [Epoxy.com Surface Preparation Guide](#)

MIXING/APPLICATION

Observe all precautions on MSDS and label when using this product. Mix 3-4 oz. Part B per gallon with Part A with a low speed drill for at least two (2) minutes. For spray application, add up to 1 quart Styrene per mixed gallon, if needed.

Apply by roller, brush, or spray. Use a nylon or natural bristle brush or a good quality medium nap roller. Can be sprayed with airless or conventional spray.

CLEAN UP

Clean skin with soap and water; use MEK, xylene, or clean proprietary epoxy thinners for equipment.

COVERAGE

160 square feet per gallon yields 8 mils DFT due to shrinkage during cure. Two coats are recommended for general service, as a coating.

COLOR SELECTION

Epoxy.com Vinyl Ester Binder is available in Clear.

TECHNICAL DATA

Typical Performance Properties

Tensile Strength	ASTM D-638	11,000 psi
Elongation	ASTM D-638	2.0-3.0%
Adhesion to Metal	ASTM D-638	2,500 psi
Adhesion to Concrete	ACI COMM #403	350 psi (concrete fails)
Hardness	ASTM D-2240	85 (Shore D)
Abrasion Resistance	ASTM 4060	26-28 mg. loss (CS-17 wheel, 1 kg load, 1000 cycles)
Service Temperature	320°deg;F (immersion)	400°F (dry heat)

PHYSICAL PROPERTIES

Gloss; 60°	High Gloss
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Weight/Gallon	8.7 lbs., mixed
Solids Content	100%
Mix Ratio	32A:1B by volume
Pot Life	45 min. @ 75°F (3 gallon kit)
Viscosity	600 cps, mixed approx.
Shelf Life	2 months, maximum
Re-Coat	5-8 hours @ 70°F*
Foot Traffic	8-12 hours
Full Chemical	Cure 3-5 days
*Shorter recoat times affect gloss.	

CHEMICAL RESISTANCE

REAGENT RATING	
Acetic Acid-75%	R
Acetone	L
Acrylic Acid-25%	R
Citric Acid	R
Chromic Acid-20%	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	R
Gasoline	R
Hydrochloric Acid-37%	R
Lactic Acid	R
Methyl Ethyl Ketone	L
Nitric Acid-50%	R
Phenol	L
Sodium Hydroxide-50%	R
Sulfuric Acid-70%	R
Toluene	R
Urea	R
Vinegar	R
Xylene	R
R-Recommended for continuous service. L-Limited Recommendation, occasional spills. *-May cause slight stain or discoloration.	

Proper mixing and installation is critical to the optimal success of all product. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

Epoxy.com

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