

DESCRIPTION

Two-component, 100% solids, high build novolac epoxy floor coating for surface protection against severe chemical attack.

FEATURES

- High chemical resistance, especially to acids.
- Low VOC, low odor application.
- Easily applied by brush or roller.

COLORS

Available in standard colors and clear.

PACKAGING

Available in one-gal and five-gal kits, premeasured for easy blending at the jobsite.

USES

WearCOAT 570 is a 100% solids epoxy floor coating with excellent resistance to acids and many other chemicals, near zero VOC and extremely low odor.

WearCOAT 570 in standard colors is typically used in areas of exposure to harsh chemicals, including battery storage areas, chemical plants, and pharmaceutical manufacturing facilities.

WearCOAT 570 in clear is an excellent binder for broadcast or trowel applications in areas with harsh chemical exposure. It is recommended for interior use only as it is prone to UV yellowing.

Technical Data

Coverage Rate @ 10 mils DFT:	160 sq. ft. / gal.
Application Temperature:	55°F - 100°F (13°C -38°C) *Must be 5°F (3°C) above dew point
Pot Life @ 70°F, 50% R.H.:	30 Minutes at 72°F (23°C)
Dry Time @ 72°F, 50% R.H.:	To Touch – 6 hrs. To Recoat – 8 hrs. Full Service* – 7 days *For 98% Sulfuric Acid full service time is 21 days at 72°F & 50% R.H.
VOC:	0 lbs. / gal.
Flash Point:	N/A
Volume Solids:	100%
Shelf Life:	24 Months unopened at 50°F to 90°F (10°C - 33°C)
Dry Film Thickness, Minimum:	8 mils DFT
Maximum:	16 mils DFT, 40 mils Self-Leveling
Service Temperature Range:	180°F (82°C) Dry heat resistance
Cleanup:	Lacquer Thinner
Mix Ratio:	2:1 epoxy resin/hardener by volume
Viscosity:	2,000 - 3,000 cps
Relative Humidity:	85% Maximum

CHEMICAL RESISTANCE

Ratings: P – POOR, F – FAIR, G – GOOD, E – EXCELLENT (72 HOUR SPOT TEST)					
ACETIC ACID 10%	G	GASOLINE	E	PHOSPHORIC ACID 50%	F
ACETIC ACID GLACIAL	P	HYDROGEN PEROXIDE 10%	E	SULFURIC (BATTERY ACID)	E
OLEIC ACID	E	JP5 JET FUEL	E	ACETONE	F
OXALIC ACID	E	KEROSENE	G	ALCOHOL (METHYL)	F
TANNIC ACID	E	LINSEED OIL	E	ALCOHOL (ISOPROPYL)	G
AMMONIUM HYDROXIDE 30%	E	MINERAL OIL	E	BUTYL ACETATE	G
AMMONIUM HYDROXIDE 45%	G	SKYDROL	F	DIACETONE ALCOHOL	E
CALCIUM HYDROXIDE	E	UREA	E	ETHYL ACETATE	F
POTASSIUM HYDROXIDE 40%	E	CHROMIC ACID 10%	G	METHYL ETHYL KETONE	G
SODIUM CARBONATE	E	CHROMIC ACID 20%	F	METHYL ISOBUTYL KETONE	G
SODIUM CHLORIDE	E	CITRIC ACID 50%	E	METHYLENE CHLORIDE	P
SODIUM HYDROXIDE 50%	G	HYDROCHLORIC ACID 37%	G	TRICHLOROETHYLENE	F
TRISODIUM PHOSPHATE	E	HYDROFLUORIC ACID 5	G	XYLENE	G
ETHYLENE GLYCOL	E	NITRIC ACID 10%	E	PERCHLOROETHYLENE	F
FORMALDEHYDE	E	NITRIC ACID 30%	F		
MINERAL SPIRITS	E	WATER	E		

SURFACE PREPARATION

Surfaces should be cleaned of all oil, grease, and dirt. Concrete surfaces must be mechanically prepared in accordance with normal surface preparation recommendations for concrete floors as outlined in (ASTM D-4258, ASTM D-4259, ASTM D-4260, and ASTM D-4262).

Apply to clean, dry surfaces. Remove all dirt and oil residues with a suitable cleaner. Old coatings should be removed by chipping, sandblasting, or grinding.

New Concrete – Newly poured concrete must age at least 28 days at temperatures over 70°F (22°C) before coating. Concrete should have a minimum of 3,000 psi at the surface when tested with a Schmidt hammer.

All efflorescence and laitance should be removed by shot blasting or grinding.

Old Concrete – Dirt, grease, or other contamination should be removed with suitable cleaners. Deteriorated areas of concrete should be removed, and, if deeper than 1/2", should be grouted back to original level of concrete.

Prior to surface cleaning, the floor should be tested for the presence of capillary moisture by moisture meters or the calcium chloride test.

MIXING

Mix Part A for 2 to 3 minutes to assure full mixing of pigment.

Pour Part B (hardener) into Part A (resin).

Stir at low speed to prevent air entrapment for 2 to 3 minutes (base mixing time on temperature and viscosity), using an "in the bucket" Jiffy-type mixer. Thorough mixing is required.

APPLICATION

Concrete should be dry and surface temperature should be at least 55°F (13°C). Pour mixed material directly on the surface in a long puddle and spread using either a flat or a notched rubber squeegee, depending on film thickness requirements.

IMPORTANT: *Do not scrape or drain mixing containers.*

An applicator wearing spiked shoes should then immediately back roll and cross roll the material with a quality "lint-free" 3/8" nap roller cover. Finish application by "laying off" in one direction. Check film thickness frequently.

PRECAUTIONS

Wear safety glasses and impervious gloves. May cause skin irritation.

HARMFUL OR FATAL IF SWALLOWED.

COMBUSTIBLE.

Vapor harmful, eye irritant. If swallowed, do not induce vomiting. Call physician immediately. Avoid prolonged contact with skin, do not breathe vapor or spray mist. In case of contact with eyes, flush repeatedly with water and contact physician.

Use with adequate ventilation. In confined areas, use adequate forced ventilation during application and drying. In areas where there is a minimum of air movement, fresh air masks should be used.

READ THE SAFETY DATA SHEET PRIOR TO USE.