

K A U F M A N

PRODUCT
INFORMATION

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SurePoxy Protective Coating

Description

SurePoxy Protective Coating is a two component, solvent type, epoxy coating, utilizing the inherent advantages of high molecular weight epoxy resins, cross-linked with polyamide reactive hardeners. When combined, they form an integrally hardened protective coating resistant to abrasion and chemicals. When colored coatings are required, only highest quality, inert alkali-resistant, light stable pigments are used to provide the proper color as well as the highest quality protection available.

Chemical Resistance - to continuous immersion - @ 77°F.

Reagent	Exposure	Time Results
Acetic Acid	1 Month	U
Acetic Acid 10%	1 Month	SS
Acetic Acid 50%	1 Month	S
Butyl Alcohol	1 Month	U
Carbon Tetrachloride	1 Month	U
Citric Acid 10%	1 Month	U
Cotton Seed Oil	1 Month	U
Detergent Solution	1 Month	U
Ethyl Acetate	1 Month	U
Ethylene Glycol	1 Month	U
Gasoline	1 Month	U
Hydrochloric Acid 10%	1 Day	failed *
Hydrogen Peroxide 20%	1 Month	U
Lard	1 Month	U
Jet Fuel JP-4	1 Month	U
Lactic Acid 3%	1 Month	U
Lactic Acid 10%	1 Month	SS
Lactic Acid 50%	1 Week	failed
Methyl Ethyl Ketone	1 Month	U
MIBK	1 Month	U
Mineral Oil	1 Day	failed *
Phosphoric Acid 85%	1 Month	U
Oil	1 Month	U
Sea Water	1 Month	U
Sodium Hydroxide 50%	1 Month	U
Sulfuric Acid 20%	2 Months	U
Toluene	1 Month	U
Water	1 Month	U

Packaging

2 gallon unit
10 gallon unit

VOC

535 g/liter – sold under exception status

Uses

SurePoxy Protective Coating provides outstanding chemical abrasion and water resistance as well as acting as a decorative coating to all structural materials. Maintenance costs are reduced. Although originally developed as a coating for masonry, experience has proven it works equally well on other surfaces, such as metals, with proper preparation.

Colors

710 - Clear
711 - Concrete Gray
712 - Dark Gray
713 - Tile Red
714 - Tile Green
715 - White (17875)
716 - Gray (16357)

Technical Data @ 75°F

NVM	50% min.
Viscosity	1000-1500 cps
Mixing ratio	1:1 by volume
Induction period	1 hour minimum
Pot life of 1 lb. Sample	24 hours
Dry time	3-4 hours
Minimum application temperature	50°F
Initial Cure	24 hours
Final Cure	7 Days
Impact resistance over	160 in./lb.
Flexibility	passes conical mandrel test
Abrasion resistance	passes minimum 70 liters of sand/mil.

Directions

Surface Preparation

Satisfactory performance of SurePoxy Protective Coating is dependent upon the surface to which it will be applied. Only sound, clean surfaces should be coated. Concrete shall be a minimum of 28 days old. Remove all grease, oil, wax, curing compound, and other foreign matter according to ASTM D-4258. Sandblasting and mechanical scarification according to ASTM D-4259 are the preferred methods of properly preparing the floor and removing the laitance. Acid etching as per ASTM D-4260 with Kaufman Products Concrete Floor Etch or 15-20% muriatic acid solution can be used as an alternative. Be sure to rinse thoroughly with clean water to remove residue.

Mixing

Stir both components and combine into a clean container. Combining ratio is 1:1 by volume. Stir both components thoroughly with a paint mixer attachment using a low speed (500 rpm) power drill. Allow an induction period of at least 1 hour before using.

Application

After at least 1 hour induction period, stir again with the slow speed power drill. Apply with brush, roller, or spray. First coat should be thinned with up to 25% SurePoxy Thinner. If spray gun is used, thin subsequent coats up to 5% by volume with SurePoxy Thinner. Allow an overnight dry before application of second coat. In areas with poor ventilation, wait an additional time. Use a minimum of two coats. A third coat achieves maximum protection.

Coverage Rate

300-400 sq. ft./gal. - first coat

400-500 sq. ft./gal. - second coat

Non-Slip Surface

Although SurePoxy Protective Coating is not a slippery product, it can become so if water, oil, grease, etc. lie on floor. To provide non-slip qualities, simply sprinkle an excess, approximately 1/3 lb./sq. ft., of SurePoxy Aggregate mortar on the surface of the first coat, while it is still wet. When dry, sweep off extra and apply a second coat.

Precautions

This is not designed to be submerged in chemicals for long periods, nor is it meant to be subjected to temperatures above 150°F. Avoid driving, parking rubber tire vehicles or using the surface for storage until SurePoxy Protective Coating is thoroughly cured 3-7 days, depending on temperature. Protective Coating forms a vapor barrier after cure. Do not apply to surfaces where vapor condenses and freezes under coating. Apply when substrate temperature is 50°F or above. Do not apply over wet substrate.

Read Safety Data Sheet before using. Please refer to the *General Epoxy Instructions* for complete details on proper application during cold and hot weather.

Technical Information

Test results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.

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