

K A U F M A N

PRODUCT
INFORMATION

KAUFMAN
PRODUCTS
INC.

3811 CURTIS
AVENUE

BALTIMORE,
MARYLAND
21226-1131

410-354-8600
800-637-6372

www.kaufmanproducts.net

SurePoxy Protective Coating WD

Description

SurePoxy Protective Coating WD is a two component, water thinned, VOC compliant, epoxy curing and sealing compound. It provides a protective coating resistant to abrasion, chemicals and has excellent resistance to chloride ion penetration, yet exhibits a high level of moisture vapor transmission when fully cured.

Uses

SurePoxy Protective Coating WD is suitable for use on both interior and exterior surfaces. When the clear is used on fresh concrete, it serves as a concrete cure and heavy-duty sealer without the need to etch or scarify the surface first. It is recommended for poured in place, precast, tilt wall concrete. Use on bridges, factory floors, parking structures, walkways, wall and columns.

It serves as an excellent base for subsequently applied 100% solid, emulsion or solvent borne epoxy and urethane systems.

Chemical Resistance – 1 hr. immersion - @ 77°F. for 1 hour

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

S-softened

SS-slightly softened

U-Unaffected

*Satisfactory to spillage, but not to continuous immersion

Standard Colors

800 - Clear
804 - Gray (16357)

VOC

#800 – 0 gm/L
#804- 24 gm/L

Packaging

2 gal. Kit
10 gal. Kit

Technical Data @ 75°F

NVM- Colors	45-60%
Clear	30% min.
Viscosity	75-100 cps
Mixing ratio	1:1 by volume
Induction period	5-10 min.
Pot life	3 hours
Dry time	6-8 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.

Applicable Standards

ASTM C-309, Types I or II, Class A & B
AASHTI M-148, Type I or II, Class A & B
NCHRP Report #244, Series II and IV

Directions

Surface Preparation

Fresh Concrete: When #800 Clear is applied to fresh concrete as a curing compound or primer, no preparation is necessary.

Existing Concrete: Correct surface preparation is the most critical part of any floor coating project. The desired adhesion to the substrate will not be obtained if the preparation does not leave the surface free of foreign matter, including curing compounds and form release agents. Concrete surfaces must be clean and sound. We recommend strict adherence to International Concrete Repair Institute (ICRI) Guideline # 03732, *Selecting and Specifying Concrete Surface Preparation*

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for Sealers, Coatings, and Polymer Overlays (1997). This standard details proper surface preparation and techniques for all types of concrete repair and coatings applications. See complete directions in our *General Epoxy Instructions*.

If applying, #804 Gray over #800 Clear within the first 2 months, and the #800 is in excellent shape, surface preparation only requires a clean, contamination free surface. If the prime coat has been down longer than that or if the #800 has worn off, apply the #800 again, wait overnight and then put the #804 top coat on.

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 to sit for 20 minutes before using.

Application

Ambient and surface temperatures must be a minimum of 50 °F and a maximum of 90°F. After the 20-minute induction period, stir again with the slow speed power drill. Pigmented formulations must have a uniform color without streaks. Apply with brush, roller, or spray *within 2 hours of mixing*. WD can be sprayed with a Graco GH 533, 30:1 Bulldog Sprayer or comparable airless sprayer. Use a .030-.040 fan tip depending on desired output rate

Curing Compound: When applying to fresh concrete, wait until all troweling operations are complete and the top surface will not be marred by the application and apply promptly.

Sealing: If the concrete was cured with the #8900 clear and it is still in good shape, simply cleaning off all foreign matter and recoating with #804 is all that is necessary. If the surface has never been cured with the #800 or if it has worn off, apply #800 properly and allow drying overnight. After one day, apply #804 properly on top of the #800. If an additional coat of #804 is desired, allow an overnight dry before application of each coat. In areas with poor ventilation, wait an additional time. Use a minimum of two coats. A third coat achieves maximum protection.

Non-Slip Surface

Although, SurePoxy Protective Coating WD is not a slippery product, it can become so, if foreign matter lays on it. To provide non-slip properties, simply sprinkle an excess of approximately 1/3 lb./ft² of SurePoxy Aggregate Mortar on the surface of the first coat while it is still wet. When it is dry, sweep off excess and apply second coat.

Coverage Rate

Curing: 200 ft²/gal. - first coat

Sealing: 150-200 ft²/gal. for prime coat.
200 ft²/gal. subsequent coats.

Clean Up

Use SurePoxy Protective Coating WD Thinner.

Precautions

This coating is not designed to be submerged in chemicals for long periods, nor is it meant to be subjected to temperatures above 130°F. Avoid driving, parking rubber tire vehicles or using the surface for storage until SurePoxy Protective Coating WD is thoroughly cured in 7 days, depending on temperature. WB forms a vapor barrier after cure. Do not apply to surfaces where vapor pressure is excessive or condenses and freezes under coating. WD is not freeze/thaw stable, so protect from freezing. Apply when substrate temperature is 50°F or above. Do not apply over standing water. Read Material Safety Data before using. Please refer to the *General Epoxy Instructions* for complete details on proper application during cold and hot weather.