

DURA-KOTE WB-POLYURETHANE



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Technical Data

PACKAGING

Dura-Kote WB Polyurethane "A" - short filled gallon can
Dura-Kote WB Polyurethane "B" - 1 quart can

COVERAGE

Approximately 300 sq. ft. / gallon / coat
Recommended dry film thickness = 3–5 mils
Recommended wet film thickness = 2–4 mils
Do not exceed 4 mil wet thickness per coat

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufacturer's/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Keep areas ventilated to prevent the accumulation of vapors.

Inhalation: Avoid prolonged breathing of vapors. Use NIOSH approved respirator for organic vapors if threshold limit values are unsafe.

Skin Contact: Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention.

Eyes: Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

DESCRIPTION

SureCrete Dura-Kote WB Polyurethane is a 57% solids (by weight), water based acrylic polyurethane sealer for vertical or horizontal cementitious surfaces, especially commercial or industrial. This product is a two-component system. **SureCrete Dura-Kote WB Polyurethane** provides the durability of solvent-based systems with the ease and safety and low VOC of water based systems. It provides superior chemical and abrasion resistance.

SURFACE PREPARATION

Surface must be dry and clean of dust, dirt, oils, and other surface contaminants. It is imperative to provide surface profiling on concrete deck surfaces that are especially smooth, hard, dense, etc.

For most applications, the most common means of profiling is accomplished with the use of **SCR**, the safe substitute for muriatic acid. See the application sheet for **SCR** for proper technique and instructions.

Pre-existing coatings should be scuff sanded and a test patch applied and adhesion checked to insure compatibility.

Be certain that substrate is completely dry before coating. A slab that has moisture appear under a square of plastic that has been duct taped to the surface may need additional prep work.

pH in excess of 10.5 upon the surface requires additional prep.

APPLICATION

Mechanically mix thoroughly 3 parts **SureCrete Dura-Kote WB Polyurethane "A"** with 1 part **SureCrete Dura-Kote WB Polyurethane "B"**. Catalyzed product should be cut with water at 20% total volume (e.g. add approximately 25.5 oz. water to 1 gallon of catalyzed product) for first coat. Either an HVLP, airless sprayer, or mohair shed resistant roller with phenolic core may be utilized. Mask off areas to be protected. Do not allow puddling. Thin coats are critical, never more than 4 mil thickness wet. Backroll excess sealer from low spots, especially pattern textures or grout lines. Apply when surface temperatures are between 60°F and 90°F and will stay within that range until product cures.

Cure Time: Apply second coat when dry to the touch, usually a 6 hour time frame (depending on temperature and humidity). If 2nd coat is applied after 48 hours following 1st coat, scuff surface for proper bonding. Full cure is achieved between 5 - 7 days at 75°F.

Coverage: Dependent upon porosity of substrate. Approximately 300 sq. ft. / gallon / coat. Never exceed 4 mil wet thickness.

Cleanup: Before **SureCrete Dura-Kote WB Polyurethane** dries; spills, over-spray, and tools can be cleaned up with soap and water.

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TEST DATA

Liquid Properties	General
Appearance (cured)	High Gloss
Water Resistance	Excellent, beads water
Mechanical Stability	Excellent
Light Stability	Excellent
Solids (by weight)	57%
Storage Stability	1 yr.
Appearance (wet)	Milky liquid
Odor	Sweet acrylic
Application Temperature	50°F – 90°F
VOC content	72 gms./L.
Set to Touch	6–10 hours.
Pot life	approx. 60 min's.

Chemical Resistance (24 hr. spot)

MEK (methyl ethyl ketone)	blisters
Xylene -	softens
Ethanol -	softens
5% sodium hydroxide -	no effect
5% Ammonia -	no effect
Mineral Spirits -	no effect
5% sulfuric acid -	no effect
5% hydrochloric acid -	no effect
5% nitric acid -	no effect
1,1-trichlorethane -	no effect

Transportation Fluids & Fuels Resistance (24 hr. spot)

Brake Fluid	soften, discolor
Skydrol	dulls
Gasoline	no effect
Diesel Fuel	no effect
Kerosene	no effect