

DURA-KOTE POLYURETHANE



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Technical Data

COVERAGE

Approximately 300 sq. ft. / gallon / coat

PACKAGING

Dura-Kote Polyurethane "A" - short filled gallon pail (.8 gal)

Dura-Kote Polyurethane "B" - 1 quart can (.2 gal)

CAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Product is flammable. Keep away from heat and potential sources of ignition. 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.

DISPOSAL

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

WARRANTY

Warranty of this product, when used according to the directions, is limited to the refund of the 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.

DESCRIPTION

SureCrete Dura-Kote Polyurethane is a 51% solids (by volume), acrylic aliphatic polyurethane sealer for vertical or horizontal cementitious surfaces. This product is a two-component catalyzed system. **SureCrete Dura-Kote Polyurethane** provides excellent hardness, impact resistance, and durability. It is fast drying and fast to recoat. Water and chemical resistances are superior.

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.

APPLICATION

Mix thoroughly 4 parts **SureCrete Dura-Kote Polyurethane Part "A"** with 1 part **SureCrete Dura-Kote Polyurethane Part "B"**. An airless sprayer equipped with 0.016" - 0.021" tip @ 1,900—2,700 PSI is recommended. A **3/16" mohair roller** with phenolic core may also apply **Dura-Kote Polyurethane**. Mask off areas to be protected. Do not allow puddling. Apply when surface temperatures are between 50 and 90 degrees Fahrenheit and will stay within that range for 24 hours after application. (Note: **DO NOT** apply over solvent acrylic sealers as a top coat, the solvents are not compatible.)

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 96 hours following 1st coat, **scuff surface** with slow RPM floor buffer equipped with a black pad 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.

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

TEST DATA

Liquid Properties	General	Odor	Solvent
Appearance (cured)	Clear Sheen	Appearance (wet)	Clear
Water Resistance	Excellent, beads water	Storage Stability	1 yr.
Mechanical Stability	Excellent	Solids (by weight)	51%
Light Stability	Excellent	Application Temperature	50°F – 90°F
Set to Touch	6–8 hours.	Hardness	Pencil4H, Konig100
Pot life	approx. 60 min's.		
VOC content	3.63 lbs / gallon—435 grams / Liter		
Mechanical Properties	Direct Impact—30in.lb. / Reverse Impact—6in.lb.		

Chemical Resistance	3 minutes	1 hour	24 hours
5% sulfuric acid	no effect	no effect	no effect
50% sulfuric acid	no effect	no effect	no effect
5% hydrochloric acid	no effect	no effect	no effect
20% hydrochloric acid	no effect	no effect	softens
5% nitric acid	no effect	no effect	no effect
20% nitric acid	no effect	no effect	blisters
5% sodium hydroxide	no effect	no effect	no effect
50% sodium hydroxide	no effect	no effect	no effect
5% ammonia	no effect	no effect	no effect
MEK (methyl ethyl ketone)	slightly softens	softens	blisters
Ethanol	no effect	softens	softens
Xylene	no effect	no effect	softens
Toulene	no effect	slightly softens	softens
Mineral Spirits	no effect	no effect	no effect
1,1-trichlorethane	no effect	no effect	no effect

Transportation Fluids & Fuels Resistance

Chemical	3 minutes	1 hour	24 hours
Gasoline	no effect	no effect	no effect
Diesel Fuel	no effect	no effect	no effect
Kerosene	no effect	no effect	no effect
Brake fluid	no effect	no effect	soften/discolor
Skydrol	no effect	no effect	dulls