

DURA-KOTE X-TREME URETHANE



SURECRETE
DESIGN PRODUCTS

Toll Free 1-800-544-8488

Local 1-352-567-7973

www.SureCreteDesign.com

Technical Data

DISPOSAL

Contact your local government house-hold 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.

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.

DESCRIPTION

SureCrete Dura-Kote X-treme Urethane is the toughest, most U/V resistant, and most chemically resistant polyester urethane available. This product is a two component catalyzed system. **SureCrete Dura-Kote X-treme Urethane** provides the highest hardness, impact resistance, water and chemical resistance, flexibility, and durability available. It is fast drying and fast to recoat. Apply with roller or airless sprayer; touch-up with brush. It is available in gloss and satin finish.

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.

APPLICATION

Blending: This is a two component system. For conventional spray application, mix equal parts of Part "A" (base component) and part "B" (catalyst). For airless spray and brush applications mix 2 parts "A" to 1 part "B". If the temperature is below 50°F, it may be necessary to add solvents to obtain application viscosity. This results in lower sag resistance, slower cure and thinner films. If thinner is required, add after mixing parts "A" & "B". Thorough mechanical mixing of all components is essential. No induction time is necessary. Pot life is 4-6 hours @ 75°F.

Application by conventional or airless spray is recommended. May also be applied with roller or brush for touch-up.

With *airless* spray, hose should be 3/8" ID (1/4" ID whip end section may be utilized for ease of application.) Do not exceed 100' in hose length. Utilize 0.018" - 0.021" tip @ 2400 - 2700 psi.

With *conventional* spray, fluid hose should be 3/8" ID with a maximum length of 50'. Pot should have dual regulation and be kept at same level as spray gun. Nylon or teflon packings are recommended for equipment.

Cure Time: Customarily first coat dries within approximately 30 - 60 minutes. Apply second coat when dry to the touch. Full cure is achieved at 5 days at 75°F.

Coverage: Dependent upon porosity of substrate. 2.0 MDFT (mil dry film thickness) 350 sq. ft. / gallon / coat. 3.0 MDFT 235 sq. ft. / gallon / coat. Recommended MDFT = 2.0 - 3.0 mil.

Cleanup: Before **SureCrete Dura-Kote X-treme Urethane** dries; spills, overspray, and tools can be cleaned up with solvent.

TEST DATA

Liquid Properties	(General)
Appearance (cured)	Clear sheen
Water Resistance	Excellent, beads water
Mechanical Stability	Excellent
Light Stability	Excellent
Solids	52%
Storage Stability	1 yr.
Appearance (wet)	Clear
Odor	Solvent
Application Temperature	50°F – 90°F
VOC content	3.63 lbs./gal. 435 gms./L.
Set to Touch	30 - 60 min's.
Pot life	4 -6 hours @ 75°F
Hardness	Pencil – 3H Konig – 100
Mechanical properties	Direct impact – 60 in.lb. Reverse impact – 30 in.lb.
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Chemical Resistance	@ 336 hours (14 days) unless noted otherwise
50% sulfuric acid	No effect
50% potassium hydroxide	No effect
37% hydrochloric acid	Blister @ 23 hours
20% hydrochloric acid	Softens film
20% nitric acid	Softens film @ 36 hours
100% acetic acid	Softens film @ 1 hour
50% acetic acid	Softens film @ 2.5 hours
50% sodium hydroxide	No effect
MEK (methyl ethyl ketone)	No effect
Xylene	No effect
Mineral Spirits	No effect
1,1-trichlorethane	No effect
Gasoline	No effect
Diesel Fuel	No effect
Kerosene	No effect
Brake fluid	No effect
Skydrol	No effect