



RubberShield UTC

Urethane Top Coat

Product Information and Technical Data

RubberShield UTC is a liquid applied, single-component, moisture cured, and aliphatic polyurethane.

PRODUCT DESCRIPTION

Composition: RubberShield UTC is a moisture-cured, liquid applied, polyurethane, based on Aliphatic Isocyanates in combination with additives and pigments to produce a wear resistant, protective and decorative coating, for interior and exterior applications.

Basic Uses: RubberShield UTC is primarily used as the protective top coat over GlobalShield Waterproofing Systems.

Limitations: Containers that have been opened must be used up within one or two days as RubberShield UTC is a moisture-reactive material. All surfaces to be coated must be completely free of foreign matter and completely dry.

Colors: Available in 42 different colors, including Clear, Concrete Grey and Tan.

Standard Packaging: Available in 5 gallon pails and 55 gallon drums.

INSTALLATION

Application: RubberShield UTC may be applied by all conventional means including spray equipment, rollers, and brushes. Refer to the appropriate data sheet of the desired system for the application rate of RubberShield UTC. A fine aggregate must be incorporated into the system to provide a slip resistant surface. Allow 48 hour final cure time before coating is exposed to normal traffic.

Product Warranty: All products proven to be defective in manufacture will be replaced at no charge.

Maintenance: if RubberShield UTC is damaged, cleaning the surface with M.E.K. and recoating it with RubberShield UTC can repair it.

TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
Weight per Gallon		9.6 ± 0.2 pounds
Viscosity	Brookfield Viscometer	20 poise
Percent Solids	ASTM D-2369	78% by weight 72% by volume
Tack-free Time at 77°F (25°C) & 50% R.H.		7-8 hours
Tensile Strength	ASTM D-412	2,600 psi.
Percent Elongation	ASTM D-412	190%
Tear Strength	ASTM D-1004	188 pli.
Abrasion Resistance (CS-17 wheel, 1000 gr., 1000 cycles)	ASTM D-4060	No weight change
Moisture Vapor Transmission 15 mil thick dry film (.38 mm)	ASTM E-96	0.8 perms
Hardness (Shore A)	ASTM D-2240	92
Peel Strength on Primed Concrete	ASTM D-903	210 PLI
Water Absorption	ASTM D-471	0.03% by weight

TECHNICAL DATA (continued)		
Temperature Service Range		-50°F to +175°F -45°C to +79°C
Weather-O-Meter (2000 hours)	ASTM D-1499 ASTM G-23	Surface showed no crazing, spalling or softening.
Chemical Resistance	ASTM D-2299	a. 20% Detergent No effect b. 5% Ammonia No effect c. 20% Salt solution No effect d. Anti-freeze coolant No effect e. Kerosene No effect f. Paint thinner No effect g. Distilled water No effect

Availability and Costs:

Availability: Products are immediately available from GlobalShield, Inc. throughout the United States.

Cost: Cost data is available from your local GlobalShield representative.

Technical Services: GlobalShield Technical Services Department provides problem analysis and assistance in developing recommendations for special applications. Warranty systems require inspection by GlobalShield prior to installation. Progress and final inspections are also required.

Statement of Policy and Responsibility:

GlobalShield takes responsibility for the furnishing of quality materials, and providing specifications and recommendations for their proper installation. GlobalShield does not, either itself or through its representative, practice architecture or engineering. GlobalShield offers no opinion on, and expressly disclaims any responsibility for, the structural soundness of any substrate on which its products may be applied. Opinions of competent structural engineers should be obtained by the owner as to the structural soundness of the substrate, or its ability to properly support the contemplated installation. GlobalShield accepts no liability for any failure of the substrate or resultant damages, and no GlobalShield representative is authorized to vary this disclaimer.

