



URETHANE

CLEAR URETHANE PROTECTIVE FLOOR COATING

COATINGS DECORATIVE FLOOR

DESCRIPTION

URETHANE is a non-yellowing two-component, solvent-based, polyester/aliphatic polyurethane coating that has outstanding abrasion resistance, excellent flexibility, color stability and weather-resistant characteristics. When used as a topcoat, URETHANE has very good chemical resistance and excellent anti-graffiti properties without compromising aesthetics. Is an excellent topcoat for GRANITE COAT, METAL FX and QUARTZ EP systems.

PRIMARY APPLICATIONS

- Airport hangar floors
- Epoxy floors
- Clean rooms
- Warehouses
- Manufacturing plants
- Laboratories
- Auto-repair bays
- Horizontal and vertical surfaces

FEATURES/BENEFITS

- Easy to clean and maintain
- Anti-graffiti coating
- Good chemical resistance
- High-gloss finish
- Non-yellowing
- Excellent abrasion resistance

TECHNICAL INFORMATION

Material Properties @ 75 °F (24 °C), 50% RH

Mix ratio (A:B) by volume.....	2 to 1	Light Foot Traffic	14 to 24 hours
VOC Content	335 g/L	Final Cure/Heavy Traffic	3 to 5 days
Viscosity, (mixed)	200 to 600 cps	Flexibility 1/8 in (3.2 mm) mandrel.....	no cracks
Mixed solids (clear gloss)	64%	Taber Abrasion CS17 wheel, 1 kg load, 500 cycles22 mg loss
Pot life	2 to 4 hours	Finish Characteristics	high gloss
Hardness, Shore D	62	Impact Resistance Gardner Impact, 160 in/lb..	passes
Tack Free Time	3 to 5 hours		

Values presented are typical and not necessarily referenced to create specifications.

<u>ACIDS</u>	<u>RATING</u>	<u>SOLVENTS</u>	<u>RATING</u>	<u>MISC</u>	<u>RATING</u>
Acetic Acid 5%	2	Ethyl Alcohol 95%	3	Detergent Solution	3
Citric Acid 5%	3	Ethyl Acetate	NR	Ethylene Glycol	3
Hydrochloric 10%	3	Methanol	1	Propylene Glycol	3
Nitric Acid 5%	3	Methyl Ethyl Ketone	NR	Vegetable Oil	3
Phosphoric 20%	3	Mineral Spirits	3	Gasoline	3
Sulfuric 10%	3	Methylene Chloride	NR		
		Toluene	2	1 = Incidental Contact (8 hrs)	
		Xylene	3	2 = Splash & Spill (72 hrs)	
		Trichloroethane	2	3 = Extended Exposure (7 days)	
		Isopropyl Alcohol	1	D = Discoloration may occur	
				NR = Not Resistant	

PACKAGING

URETHANE is available in a 0.75 gal (2.84 L) kit. Part A 0.5 gal (1.9 L); Part B 1 qt (0.9 L).

SHELF LIFE

2 Years in original, unopened containers.

COVERAGE

Coverage rate is 300 to 500 ft²/gal (7.4 to 12.3 m²/L). Coverage rate is approximate and depends on temperature, porosity and texture of the surface.

URETHANE

MASTER FORMAT #: 00 00 00

DIRECTIONS FOR USE

TOPCOAT FOR EPOXIES: Old or new epoxy coatings should be cleaned and lightly sanded prior to the application of URETHANE. Follow the recommended drying time between coats when applying URETHANE to newly applied HIGH PERFORMANCE EPOXY.

PRIMING: URETHANE should not be applied directly to concrete. If an epoxy coating is not present, prime the concrete with PRIME COAT or HIGH PERFORMANCE EPOXY according to the directions in the technical data sheet. Apply the selected primer using a brush, short nap roller or sprayer. The primer must be tack free before application of URETHANE. The surface and ambient temperature at the time of application should be between 50 to 90 °F (10 to 32 °C) and the relative humidity below 90%.

MIXING: Premix URETHANE part A and part B separately, then combine two (2) parts by volume of part A with one (1) part by volume of part B in a clean, dry container and mix using a "Jiffy" or similar type mixer. Mix slowly without aerating for 3 to 5 minutes. Scrape the sides of the container and the blades at least once during the mixing.

APPLICATION: URETHANE can be applied as soon as the primer is tack-free but no later than 18 hours after application of the primer. Apply URETHANE in a continuous film by airless sprayer, short-nap mohair roller, foam applicator, lambs-wool applicator, or paint brush. When spraying, observe proper safety precautions. Two coats of URETHANE are recommended for most applications with the second coat applied after the first coat is tack free, typically within 4 to 6 hours after application at 75 °F (24 °C). Apply the second coat of URETHANE to seal the surface.

CURE TIME: URETHANE requires 14 to 24 hours at 75 °F (24 °C) to cure sufficiently for light to moderate traffic.

ANTI-GRAFFITI COATING: URETHANE may be used on walls to protect against graffiti. Remove graffiti as soon as possible after the graffiti attack by working on small areas at a time. Use commercially available graffiti removers and apply in accordance with manufacturer's instructions.

PRECAUTIONS/LIMITATIONS

- Keep away from sparks, open flames, pilot lights and other sources of ignition.
- Provide adequate ventilation and use appropriate protective equipment.
- Store between 50 to 90 °F (10 to 32 °C). Apply when surface and ambient temperatures are 50 to 90 °F (10 to 32 °C) and humidity is less than 90%.
- Surfaces must be dry before application.
- Not intended for continuous immersion in water.
- Excessive high-film thickness and/or water may cause surface blistering.
- Application of a test patch is recommended.
- Keep containers tightly closed.
- For clean up use MEK or PM Acetate.
- For professional use only.
- In all cases, consult the Safety Data Sheet before use.

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