



ACRI-THANE

ZERO VOC URETHANE/ACRYLIC DECORATIVE SEALER

PRODUCT DESCRIPTION

Acri-Thane Clear Urethane is a UV Resistant, specially formulated, two component, low viscosity acrylic urethane. This product provides a tough, scratch resistant, high gloss protective coating for interior and exterior use. Excellent for both floors and concrete countertops. Acri-thane exhibits RPD technology(rapid property development) for quick turn around. This is a 0 VOC product. THIS IS BEST USED AS A SINGLE COAT APPLICATION.

FEATURES AND BENEFITS

- ◆ Provides high gloss, abrasion resistant finish
- ◆ Superior UV stability outperforms many similar products on today's market

TYPICAL APPLICATIONS

Acri-Thane Urethane is recommended for use on interior or exterior industrial and decorative concrete surfaces in commercial, retail, and high traffic areas. It can be used as a stand alone sealer or as a topcoat over other coatings such as Epoxy HP. This product is also excellent as an easy to apply concrete countertop sealer.

TECHNICAL INFORMATION

Abrasion Resistance.....	65—70 mg loss
(Tabler Index, ASTM 4060-81, CS-17 Abrasion Wheel, 1000 gram load)	
Gloss 60	90
Elongation(ASTM D882-67).....	5.1 - 7.1%
Flexability(1/8" Mandrel).....	Pass
Hardness(7 days).....	5H - 6H
Heat Resistance.....	275 F
Water Resistance.....	Excellent
Solids % Weight(Federal Spec. TTP-141B).....	510
Density lbs/Ga.(Federal Spec. TTP-141B).....	8.70

VOC.....	< 0 grams/liter
Mix Ratio(a/b volume).....	1 to 1
Coverage(3 mils drt.).....	275 sq. ft./ga
Viscosity.....	85-87 KU
Pot Life.....	25 Minutes
Dry Time-Set to Touch(50% R.H. @ 72 F).....	1-2 hours
Dry Time-Recoat(50% R.H. @ 72 F).....	4-8 hours
Dry Time-Light Traffic(50% R.H. @ 72 F).....	24 hours
Dry Time-Cure(50% R.H. @ 72 F).....	72 hours
Dry Time-Full Cure(50% R.H. @ 72 F).....	7 days
Flash Point.....	108 F

CHEMICAL & STAIN RESISTANCE (ASTM D- 1308 24 HOUR IMMERSION)

Wine	No Effect	Urine	No Effect
Gasoline	No Effect	Motor Oil	No Effect
Brake Fluid	No Effect	Transmission Fluid	No Effect
Skydrol	No Effect	10% Sulphuric Acid	No Effect
10% Hydrochloric Acid	No Effect	10% Acetic Acid	No Effect
Xylene	No Effect	MEK	No Effect

COVERAGE

Application Surface

New (unsealed) concrete

First Coat

250-300 sq ft

Second Coat

300-350 sq ft

Coverage rates vary depending upon surface porosity and texture, and application method. Excessive build up should be avoided.

****Please refer to application instructions for proper application of second coat. MUST SAND BETWEEN COATS**

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INSTRUCTIONS

SURFACE PREPARATION: The concrete surface must be deemed mechanically and structurally sound, completely clean, and dry. If using over a another coating such as Essential Primer, be sure you are applying this product in the proper re-coat time frame to ensure a proper and long lasting bond. If going directly onto the surface, a grinding method should be performed to an approximate 50-100 grit profile to insure flatness of the substrate, to remove surface impurities, and to profile the surface of the floor to a CSP-2.

MIXING: Improper mixing can result in improper cure and coating failure. In a new, clean container, mix exactly matching amounts of **1 Parts A and 1 Part B(1:1)** Slowly blend contents for one minute taking care not to mix too fast and introduce air. No waiting time is required before beginning application. Consult manufacturer before thinning the material. Formulas are designed for optimum performance used as directed.

At this time you can add any anti skid material such as Tru Grip and blend thoroughly.

POT LIFE: Expected workable pot life after mixing Part A and Part B is approximately 25-40 minutes at a nominal temperature of 65-75 degrees and roughly 50% relative humidity. Higher temperatures and high percentages of humidity will shorten pot life, as colder temperatures and lower percentages of humidity will extend the coatings pot life. **If, when using, the material begins to shows any sign of thickening or gelling, discontinue use immediately as the pot life has run out.**

APPLICATION INSTRUCTIONS: It is recommended to apply this coating using a 1/4" - 3/8" shed-free, phenolic core roller. Apply evenly at a rate of 250-300 sq.ft. per gallon, always keeping a wet edge. Back rolling is necessary to achieve a uniform, roller mark free application. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to puddle. Use a bristle brush to remove excess coating in joints. It is recommended to recoat within 2 hours of first coat. **SANDING IS RECOMMENDED** If recoat time exceeds 2 hours.

CLEAN-UP AND REMOVAL

Use Xylene. Dispose of containers in accordance with local and federal regulations.

Dried, cured urethane may be removed with a commercial stripper, but recommended removal is by way of mechanical means, including sanding, shotblasting, etc.

PRECAUTIONS AND LIMITATIONS

- ▶ **Acri-Thane** will not freeze during storage, however, allow temperature to rise to a minimum 60 degrees F prior to application.
- ▶ All HVAC ventillation ducts should be somehow blocked prior to application so solvents fumes are not distributed.
- ▶ Keep away from open flames. **Acri-Thane** is flammable and is very susceptible to ignition.
- ▶ It is not recommended to apply **Acri-Thane** over existing coatings due to inadequate adhesion.
- ▶ Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- ▶ **Acri-Thane** should be applied in medium to thin coats. Do not puddle.
- ▶ Be aware that this product may be slippery when wet. Anti Slip additive may be needed to reduce surface slip hazards.
- ▶ **Acri-Thane** contains harsh vapors. Adequete ventillation and proper respiratory protection is necessary.
- ▶ Do not apply **Acri-Thane** over wet or damp surfaces. Moisture tests may be necessary prior to application.

NOTES

Please consult Material Safety Data Sheet (SDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 615-323-9461.

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