

STAT-CRETE

Conductive, Water-Based Epoxy/Acrylate Finish For Various Surfaces



This conductive, water-based epoxy/acrylate provides outstanding durability and abrasion resistance while eliminating electrostatic charges which can damage sensitive electronic components or equipment. Stat-Crete also displays superb resistance to a wide variety of chemicals and solvents commonly found in industrial and commercial environments. When cured, Stat-Crete exhibits characteristics superior to solvent-based urethanes and rivals those of solvent-based epoxy coatings. Stat-Crete produces superior results when used on a broad range of concrete, ceramic and even vinyl composition tile surfaces. Available in Medium Gray, Light Gray, Beige, Emerald Green and Light Blue colors. Stat-Crete complies with stricter Ozone Transport Commission (OTC) and California Volatile Organic Compound (VOC) Regulations. Volatile Organic Compound Content \leq 350 grams/liter

APPLICATION & MAINTENANCE

New concrete floors should be allowed to cure a minimum of thirty days. Application to floors colder than 60° F is not recommended. Floor surfaces must be free of any release agents, curing compounds, salts or efflorescence before coating. Sweep and then wash floors with one of Perma's degreasers such as Grease Strip, Grease Cutter or Citru-Gest to remove oil, grease, and soil. Follow by etching surface with Prepare, then thoroughly rinse with clean water.

If floor has been previously coated, a small area should be cleaned, roughed up by screen disk with a 80-100 Grit screen, washed to remove dust and soil and then sealer applied to test for adhesion, lifting, etc. Any areas of the existing coating which display flaking or poor adhesion should be removed. Wash the stripped areas, acid etch, and rinse thoroughly. Allow the floor to dry.

Coated Vinyl Tile should be stripped using Perma Eliminator or Brut finish removers. Roughen the stripped surface by wet screen disk using a diluted solution of Super Blue cleaner/degreaser and a 100-120 grit disk on a 175-300 Rpm buffing machine or automatic scrubber. Remove the soiled screening solution with a wet vacuum or automatic scrubber. Rinse the floor with clean water to remove any soil or tile dust not removed by vacuuming.

Metal, Fiberglass or Wood should be thoroughly cleaned and degreased using an appropriate cleaning solvent such as Denatured Alcohol, Isopropanol, Mineral Spirits, etc. Sand the surface to be coated with 80-100 grit sand paper. Remove any dust from sanding with the appropriated solvent. Allow the solvent to evaporate completely.

APPLICATION-Catalyzed Stat-Crete should be used within six hours of mixing. Prepare only the quantity necessary for immediate use. Add premeasured catalyst to epoxy base. Stir gently until the catalyst has been thoroughly mixed in. Allow catalyzed Stat Crete to stand for 5 minutes.

Apply catalyzed Stat-Crete with a short nap (1/4"-3/8") roller in thin, uniform coats. A minimum of 2 coats is necessary to achieve a uniform appearance on smooth surfaces. Rough or textured surfaces may require additional coats. The initial coat will cover approximately 400-500 ft² per gallon. Allow the initial coat to dry for 5-7 hours, then apply a second coat. Second coat coverage is approximately 500-600 ft² per gallon. **Stat-Crete** can also be applied using an electric airless sprayer. Mask surrounding areas to protect them from over-spray. Use of an extension pole can help reduce over-spray. Positive results have been obtained using a 10" fan pattern spray tip with a .017 orifice. Apply a thin, uniform coat, making sure to move at a constant rate. Spraying can apply a heavier coat than rolling, so additional drying time may be required if a second is to be applied.

NOTE: This product is not recommended for applications that experience reoccurring standing water. Finished floors may be opened to light traffic, under normal curing conditions, after 24 hours. Complete curing with maximum durability and chemical resistance will take 5-7 days.

SAFETY INFORMATION

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

WARNING: Combustible. Harmful if Swallowed. Contains 2-Butoxyethanol CAS# 111-76-2, Acetone CAS# 67-64-1, and Glycol Ether EP CAS# 2807-30-9. Provide adequate ventilation. Prolonged exposure may cause dizziness. If dizziness occurs, seek fresh air. Use respiration equipment if needed. If ingested, induce vomiting with oil of ipecac. For contact with skin or eyes, flush with plenty of water. **Consult with a physician.** For complete information, consult MSDS sheet.



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PRODUCT SPECIFICATIONS

Gloss	Satin/Matte Finish
Solids	35 ± 1%
Resistivity-ASTMD257	Medium and Light Gray >1.4E04<1.0E06 RTG Beige <1.0E09 RTG average (<1.0E06 typical) on concrete substate @ 40% rH Meets ESD S20.20-2007, 91.7 @ <3.5E07
Static Decay	<0.1 seconds per FTMS 101B, Method 404
Static Generation ESD STM 97.2	<25 V on concrete Substate
pH	6 ± 0.5
Weight Per Gallon	9.1
Compressive Strength (on 3 Mil Vinyl Tile)	Static Load DIN 16961.2 > 2500 psi
Hardness	30 (Sward)
Indentation/Impact Resistance	DIN EN 433 Average <5%, maximum single reading 8%
Abrasion Resistance (ASTM D1044)	SC-10-F Wheel, 550 Gm Weight Cycle 10,000, % gauge loss 1.6
Viscosity	400-600 CPS
Flash Point	> 212°F
Freeze/Thaw Stability	Do Not Freeze
Dry Time	Dry to touch 5-7 hours Open for traffic 10-12 hours
Slip Resistance (ASTM F 609)	>.5 SCOF
Coverage	450 - 600 ft ² per gallon
Film thickness @450 ft ² per gallon	Approximately 3 mil wet, 1.1 mil dry
Odor	Moderate (Glycol Ether, Acetone)
VOC Content	≤350 grams/

CHEMICAL RESISTANCE

30 Minute Exposure Time

Acetic Acid (Concentrate)	No Effect
Acetic Acid (5% Solution)	No Effect
Acetone	Very Slight Softening, No Color Change
Ammonium Hydroxide (28%)	No Effect
Amyl Acetate	No Effect
Benzene	No Effect
Butyl Alcohol	No Effect
Carbon Tetrachloride	No Effect
Cresol	Slight Surface Attack
Chloroform	No Effect
Ethyl Acetate	No Effect
Ethyl Alcohol	No Effect
Ethyl Ether	No Effect
Formaldehyde (40%)	No Effect
Gasoline	No Effect
Hydrochloric Acid (5%)	Slight Dulling
Hydrogen Peroxide (30%),	No visible change
Iodine	Yellow Staining
Methyl Alcohol	No Effect
Methylene Chloride	No Effect
Methyl Ethyl Ketone	Slight Surface Dulling
Mineral Oil	No Effect
Nitric Acid (5%)	No Effect
Nitric Acid (Conc.)	Slight Surface Attack

Phenol	Slight Surface Attack
Silver Nitrate (40%)	Slight Brown Stain
Sodium Hydroxide (50%)	No Effect
Sulfuric Acid (5%)	No Effect
Sulfuric Acid (50%)	No Effect
Trichloroethylene	No Effect
Vegetable Oil	No Effect
Xylene	No Effect

60 Minute Exposure Time

Antifreeze	No Effect
Benzyl Alcohol	No Effect
Dodecylbenzen Sulfonic Acid	No Effect
Formic Acid	No Effect
Isopropanol (IPA)	Slight Softening, No Color Change
Mineral Spirits	No Effect
Napthol Spirits	No Effect
Octyl Alcohol	No Effect
Oxalic Acid	Slight Dulling
Phosphoric Acid (75%)	Very Slight Softening
Sodium Hypochlorite (Bleach) 15%	Very Slight Softening, Slight Dulling
Stearic Acid	No Effect
Tetrahydrofurfuryl Alcohol	No Effect
Toluene	No Effect