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Crystal Clear

Protective Sealer

TECH • APP • SPEC

PRODUCT DESCRIPTION AND USE
Crystal Clear is a clear, solvent-based acrylic urethane hybrid designed for sealing conventional concrete, exposed aggregate, porous tile, concrete pavers, and a variety of architectural concrete surfaces. Crystal Clear is based on a hard polymer that produces coatings that give good gloss, stain-resistance, and cleanability. Adhesion to properly prepared cementitious surfaces is excellent and the material is completely non-yellowing.

Chemical Composition
Acrylic Urethane Hybrid Polymer in a specially formulated blend of solvents.

Colors : Clear

Limitations
- Do not apply on exterior on-grade flagstone, sandstone or slate.
- Use on heavy traffic areas requires regular maintenance coating.
- Concrete must be absolutely dry.
- Do not apply when temperature is below 45°.

TECHNICAL DATA
Physical Properties

Solids content, by weight	25%
Tukon hardness	16
Tabor Abrasion – 1000 gm. Load 1000 cycles, CS 17 wheel	70 mg. loss
Volatile Organic Compounds	580 grams/L
Low V.O.C. version	100 grams/L
60° Gloss (4 mil dry film)	80
Adhesion to concrete (ASTM)	concrete fails before bond loss
Dry time (at 77° 6 mil wet film)	30 to 60 min
	4 hr light traffic
	72 hrs full cure

Higher temperatures will shorten dry times and lower temperature will lengthen it. Thicker films will take longer to dry

GENERAL INFORMATION

Moisture Vapor Emissions/Alkalinity Precautions
All interior concrete floors not poured over an effective moisture vapor retarder are subject to

possible moisture vapor transmission and related high levels of alkalinity that may lead to blistering and failure of the coating system. It is the coating applicator's responsibility to conduct calcium chloride and relative humidity probe testing to determine if excessive levels of vapor emissions or alkalinity are present before applying any coatings. Sundek Products USA, Inc and its sales agents will not be responsible for coating failures due to undetected moisture vapor emissions or related high levels of alkalinity.

Surface Preparation
Surface must be clean, sound and absolutely dry. Surface preparation should be done with a floor machine and nylogrit type brush for smooth surfaces. If a cleaning solution is used, do not let solution dry on the surface. Rinse well with water and allow to dry overnight before coating.

Application Recommendations
Crystal Clear may be applied by brush, roller, airless sprayer or floor squeegee. If rolling the material, use a 1/2-3/4 inch nap roller cover and work from a roller pan or 5 gallon pail. Use the dip and roll method. Do not pour the material on the surface. Because the material dries quickly, apply liberal amounts, work small areas and keep a wet edge. Distribute the material evenly by slightly overlapping the area previously coated. Roll laterally across the body and roll again with a vertical up and down motion. Application rates will vary from 200-400 sq. ft. per gallon depending upon the texture and porosity of the substrate. Crystal Clear may be thinned with MEK, Xylene or Acetone if desired.

Recoating
Crystal Clear may be recoated with itself as soon as it is tack free, usually 30-60 minutes. Recoating after the material is fully cured requires that the surface be clean and dry. When recoating fully cured Crystal Clear you must reduce your first coat 100% (1 to 1) with Xylene to improve intercoat adhesion.

Handling Precautions
Material is flammable. Extinguish all flames, pilot lights and electric motors until all vapors are gone and the coating is hard. The vapor is harmful. Do not use indoors unless area can be properly ventilated. Use a cartridge type respirator during application. Avoid contact with skin, wear protective gloves. Read Material Safety Data Sheet before using.

Slip and Fall Precautions
OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Sundek Products USA, Inc recommends the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Sundek Products USA, Inc or its sales agents will not be responsible for injury incurred in a slip and fall accident.

WARRANTY INFORMATION
Sundeck Products Inc guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. SUNDECK PRODUCTS INC MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Sundeck Products Inc shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. Sundeck Products Inc shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.