

# ACRYSEAL

## PRODUCT DESCRIPTION AND USE

Acryseal is a clear, solvent-based acrylic designed for sealing conventional concrete, exposed aggregate, porous tile, concrete pavers, and a variety of architectural concrete surfaces. Acryseal is based on a hard acrylic 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**

High molecular weight thermoplastic acrylic resin dissolved in a specially formulated blend of solvents.

### **Limitations**

- Do not use on exterior on-grade flagstone, sandstone or slate.
- Use in heavy foot traffic areas requires regular maintenance coating.
- Will not resist solvents or brake fluid.
- Concrete must be absolutely dry.

## TECHNICAL DATA

### **Physical Properties**

|                                      |                                    |
|--------------------------------------|------------------------------------|
| Solids Content, by Weight .....      | 25%                                |
| Volatile Organic Compounds.....      | 580 grams/liter                    |
| Tukon Hardness .....                 | 16                                 |
| 60° Gloss (4 mil dry film).....      | 75                                 |
| Adhesion to Concrete (ASTM 451)..... | concrete fails before loss of bond |
| Dry Times (77°6 mil wet film)        |                                    |
| Recoat .....                         | 30-60 minutes                      |
| Light Traffic .....                  | 4 hours                            |
| Full Cure .....                      | 72 hours                           |

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

## WARRANTY INFORMATION

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The Manufacturer 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. THE MANUFACTURER MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. The Manufacturer shall not be liable for damages caused by application of its products over concrete with excessive moisture vapor transmission or alkalinity. The Manufacturer or Seller 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.

## **GENERAL INFORMATION**

### **Moisture Vapor Emissions Precautions**

All interior concrete floors not poured over an effective moisture vapor retarder are subject to possible moisture vapor transmission 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 are present before applying any coatings. The Manufacturer can supply moisture remediation products. The Manufacturer will not be responsible for coating failures due to undetected moisture vapor emissions.

### **Surface Preparation**

Surface must be clean, sound and absolutely dry. Surface preparation should be done with a floor machine and nylogrit type brush. Scrub the surface well using Orange Clean diluted 8-1 with water. Do not let cleaning solution dry on the surface. Rinse well with water and allow to dry overnight before coating.

### **Application Recommendations**

Acryseal 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. Acryseal may be thinned with MEK, Xylene or Acetone if desired.

### **Recoating**

Acryseal may be recoated with itself as soon as it is tack free, usually 20-40 minutes. Recoating after the material is fully cured requires that the surface be clean and dry. When recoating fully cured Acryseal 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. The Manufacturer 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. The Manufacturer or its sales agents will not be responsible for injury incurred in a slip and fall accident.