NATIONWIDE CHEMICAL COATING MFRS., INC. • 7106 24th Court East • Sarasota, Florida 34243 • U.S.A.

HEAVY DUTY INTERIOR / EXTERIOR POLYURETHANE

PERMASEAL™

LOW V.O.C. INDUSTRIAL PONDING WATER FORMULA
REFLECTIVE WATERPROOFING ROOF COATING

PRODUCT DATA
#5975A
#5975B
12/30/09
superseding: 11/17/09

PRODUCT DESCRIPTION:

PERMASEAL™ is a high solids, two-component polyurethane, protective, reflective, waterproofing, heavy duty industrial quality coating system. It provides a gloss, tile like, seamless, hygienic surface that is extremely hard wearing and durable. This coating is engineered to bond to most any surface, resist wear and tear from impact and abrasion, and has stain resistance formulated to deter oil, grease, gasoline, strong detergents, salts and other difficult to clean contaminants. Cured **PERMASEAL™** is highly resistant to a broad range of chemicals, including: caustics, acids, salts, fuels and solvents. **PERMASEAL™** is a self leveling, easy to apply, bright white coating that is also available in clear.

PRODUCT USES:

PERMASEAL™ is formulated for either sloped or flat, ponding water roofs, but it is also suitable for both indoor and outdoor use on most any horizontal or vertical surface in the harshest conditions. It provides excellent adhesion to plywood, primed ferrous metal, galvanized, aluminum, tin, copper, concrete tiles, clay tiles, masonry tiles, (flat or barrel), primed synthetic or aluminum, slate, slab and various other substrates. **PERMASEAL™** is ideal for residential, commercial and industrial applications. **PERMASEAL™** is the professional applicator's choice for the toughest jobs.

SURFACE PREPARATION:

Patch all holes, cracks, seams and imperfections with a urethane caulk. Clean dirt, oil, grease, foreign matter and soap off of the surface with the appropriate cleanser and rinse thoroughly. Remove all mildew, algae and mold off of the surface with a chlorine solution (2 quarts pool chlorine to 4½ gallons water) and rinse thoroughly. Remove all loose paint and powdery substances by scraping and pressure washing.

METAL SURFACES:

Metal surfaces should be thoroughly cleaned with Acetone, Xylene or MEK (*do not use Mineral Spirits or Naptha*). Primed Metal or Non-Ferrous Metal does not require a primer. Ferrous or Corroded Metal requires **METAL-PRIME RED-OX™** before **PERMASEAL™** is applied.

CONCRETE SURFACES:

Concrete must be Acid Etched with Muriatic Acid.

ACID ETCHING: Follow product instructions on Muriatic Acid label (Muriatic Acid Concentrations may vary depending on product, therefore surface preparation instructions may differ). Acid etch the surface at least twice to insure proper penetration. If necessary, repeat acid etching until visible pores appear in the surface. The surface should feel like #80 sandpaper after etching. Rinse surface thoroughly.

APPLICATION PROCEDURE:

The surface must be completely dry. Stir the Part A (5975A) and the Part B (5975B) components separately prior to mixing.
WHITE FORMULA PERMASEAL™: Mix together 2 parts of Part A 5975A to 1 part of Part B 5975B by volume.
CLEAR FORMULA PERMASEAL™: Mix together 2 parts of Part A 5975A to 1 part of Part B 5975B by volume. Mix slowly and thoroughly so that air is not introduced into the mixture. The pot life is 1 to 4 hours depending on temperature and humidity. The mixture can be thinned with xylene if needed. Mix xylene with the 5975A first, then mix in the 5975B. Apply immediately, no wait is required. Drying time will vary depending on temperature, humidity and location. Spread coating uniformly with brush, roller or spray. Spread Rate may vary depending on profile and porosity of the surface. Let the surface dry to touch and apply the second coat within 2 hours. Let surface dry to touch and apply the third coat within 2 hours. Three light coats of 3 to 4 wet mils each should be used. The 3 coats are necessary to fill any pinholes that may occur in each coat of the PERMASEAL™. Each coat should be applied in a cross hatch pattern, i.e., first coat up and down, second coat left to right and the third coat up and down. This should result in a finished application of 7 to 8 mils dry when complete. If xylene is used, additional coat(s) may be necessary to achieve the 7 mil minimum dry film thickness.

MIXING COLORS:

When tinting PERMASEAL™, pigment should be added to Part A (5975A) before mixing.

CLEAN UP:

Clean up all spills, tools and overspray immediately while the coating is still wet with xylene.

Specialty

Roof Coatings

TECHNICAL SPECIFICATIONS:

Ambient Temperature of 77°F and RH of 50%

Rates & Times May Vary Beyond Specifications

FINISH:	Gloss	SPREAD RATE:	400 to 500 sq.ft./gal.
COLOR:	Bright White & Clear	DRY to TOUCH:	1 to 4 Hours
VEHICLE TYPE:	Polyurethane	RECOAT:	When Dry to Touch
SOLIDS by WEIGHT:	84.2% +/- 2%	CURE TIME:	2 to 7 Hours
SOLIDS by VOLUME:	80.3% +/- 2%	SIZES:	1 Gallon & 5 Gallons
V.O.C.'s (averages):	1.43 lbs./gal. • 170 g/liter	GALLON WEIGHT:	9.0 lbs. +/- .3 lbs.

A 3-4 mil dry film thickness should exhibit approximately 20-23% Elongation and 2290 P.S.I. Tensile Strength. ***Note: Increased mil thickness will reduce elongation.***

Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.

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