



HEAVY DUTY INTERIOR / EXTERIOR POLYURETHANE
DURASEAL™
ZERO V.O.C. INDUSTRIAL SUPER STRENGTH FORMULA
PROTECTIVE WATERPROOFING & POOL COATING

PRODUCT DATA
#5980AP
#5980BP
04/03/12
superseding: 03/31/11

PRODUCT DESCRIPTION:

DURASEAL™ is a 100% solids, Zero V.O.C., two-component polyurethane, protective, 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 **DURASEAL™** is highly resistant to a broad range of chemicals, including: caustics, acids, salts, fuels and solvents. **DURASEAL™** is a self leveling, easy to apply, clear coating that is also available in reflective white.

PRODUCT USES:

DURASEAL™ is suitable for both indoor and outdoor use on most any horizontal or vertical surface in the harshest conditions. It can be used in swimming pools (cement based), restrooms, locker rooms, shower stalls, meat packing plants, dairies, restaurants, schools, hospitals, factories, maintenance shops, aircraft hangers, non-potable water tanks, sewage water tanks, manholes, car washes, parking garages, parking lots, bridges and everywhere a tough, highly cleanable, chemical and solvent resistant coating is needed. **DURASEAL™** is the professional applicator's choice for the toughest jobs.

SURFACE PREPARATION:

Patch all holes, cracks, seams and imperfections with **PERMAPATCH™**. 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. Clean metal surfaces of oil, grease and foreign matter before painting. Rust must be removed from ferrous metal before priming with **METAL-PRIME RED-OX™**.

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.

PRIMER COAT (CRETE-GRIP™ or ENVIROPOXY™ may be used as a primer coat):

The surface must be completely clean and dry.
 (When using CRETE-GRIP™ or ENVIROPOXY as primer coat, follow directions on Product Data Sheet for Application Instructions.)
 When using the Reduced Coat of DURASEAL as a primer: First stir the **5980AP Part A** and the **5980BP Part B** components separately prior to mixing. When tinting **DURASEAL™**, add compatible colorant to part **5980AP Part A** prior to mixing in **5980BP Part B**. Mix 1 quart Xylene to each gallon of **DURASEAL™** (include both parts in your calculation) with the **5980AP Part A** first, then mix in the **5980BP Part B** as follows.
 Apply using 1- brush, 2- at least a half inch nap roller, or 3- airless sprayer with at least a .015 tip. Apply it uniformly and do not leave puddles or build ups. Spread Rate will vary depending on porosity and texture of surface. Allow to dry 1 hour.

APPLICATION:

Stir the **5980AP Part A** and the **5980BP Part B** components separately prior to mixing. When tinting **DURASEAL™**, add compatible colorant to part **5980AP Part A** prior to mixing in **5980BP Part B**.
 White or Blue Formula (15 Gallon Kit): Mix together 10 parts of **5980AP Part A** to 5 parts of **5980BP Part B** by volume.
 Clear Formula (14 Gallon Kit): Mix together 9 parts of **5980AP Part A** to 5 parts of **5980BP Part B** 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. Apply immediately, no induction time is required. Spread coating uniformly with brush, roller or spray. Spread Rate may vary depending on profile and porosity of the surface. Drying time will vary depending on temperature, humidity and location. Let the surface dry to touch and apply the second coat within 2 hours. Two light coats of 2 to 3 wet mils each should be used. The 2 coats are necessary to fill any pinholes that may occur in each coat of the **DURASEAL™**. Each coat should be applied in a cross hatch pattern, i.e., first coat up and down and the second coat left to right. This should result in a finished application of 3 to 4 mils dry when complete.
 If thinning is necessary add up to 1 quart Xylene per gallon mixture of **DURASEAL™**. If repairs were made, thinning of the first coat is recommended to increase penetration. Mix Xylene with the **5980AP Part A** first, then mix in the **5980BP Part B**.

NOTES:

- For interior surfaces of non-potable concrete water tanks, three coats of 2 to 3 wet mils should be applied in a cross-hatch pattern, resulting in a finished application of at least 6 mils dry.
- Where required on floor applications, anti-slip aggregate should be added to the final top coat or broadcast on top of the final coat before it has cured.

CLEAN UP:

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

TECHNICAL SPECIFICATIONS:		Rates & Times May Vary Beyond Specifications
Ambient Temperature of 77°F and RH of 50%		
FINISH:	Gloss	SPREAD RATE: 400 to 500 sq.ft./gal.
COLOR:	White, Blue & Clear	DRY to TOUCH: 1 to 2 Hours
VEHICLE TYPE:	Polyurethane	RECOAT: When Dry to Touch
SOLIDS by WEIGHT:	100% +/- 2%	CURE TIME: 2 to 4 Hours
SOLIDS by VOLUME:	100% +/- 2%	SIZES: 1 Gallon, 4.5 Gallon & 5 Gallon
V.O.C.'s (averages):	0 lbs./gal. • 0 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.		
<i>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.</i>		

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