

# PERMA SEAL II

## Epoxy/Acrylate Concrete Finish High Gloss, Chemical Resistant Superior Adhesion



This high performance, water based epoxy/acrylate finish provides outstanding durability, abrasion resistance, and high gloss retention without the toxicity and disposal considerations associated with some solvent systems. *Perma Seal II* also displays superb resistance to a wide variety of chemicals and solvents commonly found in industrial and commercial environments. When cured, *Perma Seal II* exhibits characteristics superior to solvent based urethanes and rivals those of solvent based epoxy coatings. *Perma Seal II* produces superior results when used on a broad range of concrete, ceramic and even vinyl composition tile surfaces. *Perma Seal II* is available in clear, light gray, medium gray, beige, and light blue.

### 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 *Brut*, *Grease Strip*, 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 an 80 grit screen, and then sealer applied to test for adhesion, lifting, etc. Any areas of the existing coating which display poor adhesion should be removed. Wash the stripped areas, acid etch, and rinse thoroughly. Allow the floor to dry.

**Catalyzed *Perma Seal II*** 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 *Perma Seal II* to stand for 5 minutes.

**Application: *Perma Seal II*** can be applied with a short nap roller (1/4"-3/8"). Apply *Perma Seal II* in thin, uniform coats. The initial coat will cover approximately 400-500 ft<sup>2</sup> per gallon. Allow the initial coat to dry for 5-7 hours, then apply a second coat.

**Note: dry times can vary depending on floor temperature and humidity conditions. High humidity and/or cool floor temperatures can extend drying and curing times.** Second coat coverage is approximately 500-600 ft<sup>2</sup> per gallon.

***Perma Seal II*** 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 recurring standing water. Finished floors may be opened to light traffic, under normal curing conditions, after 12 hours. Complete curing with maximum durability and chemical resistance will take 5-7 days.

### SPECIFICATIONS

Color	1-2 Gardner
Solids	31 ± 0.5%
pH	6.0 - 7.0
Weight Per Gallon	7.9-8.4
Resistivity-ASTM D257	(Medium Gray) 3-6 x 10 <sup>8</sup> PTP (Clear) 3-6 x 10 <sup>12</sup> PTP
Hardness	30 (Sward)
Viscosity	H - J (Gardner)
Solvents	Alcohol, Water-glycol
Flash Point	142°F
Dry Time	Dry to touch 5-7 hours Open for traffic 10-12 hours
Water Resistance	72 hours -No effect
Alcohol	72 hours -No effect
Gasoline	8 hours -No effect
Caustic 5%	72 hours -No effect
Soap Resistance	72 hours -No effect
Slip Resistance (ASTM F 609)	>.5 SCOF
Coverage	400 - 600 ft <sup>2</sup> per gallon
Odor	Moderate (Glycol Ether, Acetone)
VOC Content	≤ 350 grams/liter

### 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.

**VOC Content: <350 grams/liter**



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