

Gray Perma Seal II

Gray Epoxy/Acrylate Concrete Finish

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, *Gray Perma Seal II* exhibits characteristics superior to solvent based urethanes and rivals those of solvent based epoxy coatings. *Gray Perma Seal II* produces superior results when used on a broad range of concrete, ceramic and even vinyl composition tile surfaces. *Gray Perma Seal II* is also available in clear, and light gray, beige, and light blue with a special order of 40 gallon or more.



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 ft² 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 ft² 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 reoccurring or 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 ⁸
PTP	(Clear) 3-6 x 10 ¹² 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 ² per gallon
Odor	Moderate (Glycol Ether, Acetone)
VOC Content	≤ 350 grams/L

SAFETY INFORMATION

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

Read Safety Data Sheet thoroughly before using.

IRRITANT



WARNING: 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. Eye protection,

gloves and protective clothing should be worn during use. For contact with skin or eyes, flush with plenty of water. For ingestion or eye contact seek immediate medical treatment.



605 Springs Road, Bedford, MA 01730 USA
Tel: 978.667.5161, Fax: 978.670.5797
E-mail: Info@perma.com
www.perma.com