



# PRIME SHIELD™

— PENETRATES DEEP TO HARDEN, DENSIFY & PROTECT CONCRETE —

**P** **Prime Shield** is an active, osmotic, durable penetrating material that increases the density and hardness of concrete and partially seals the surface, protecting it from weather elements, UV rays, chemicals and more.

## Special Properties

- ✧ Non-yellowing
- ✧ Paintable & coat-able
- ✧ Easy to apply
- ✧ Quick drying
- ✧ Helps prevent dusting and spalling
- ✧ Helps prevent efflorescence
- ✧ Low moisture transmission rate
- ✧ Excellent base for adhesives
- ✧ Non-chalking
- ✧ Resistant to oil & gasoline
- ✧ Non-blushing
- ✧ Matte or gloss finish

## Applications

- ✧ Old & new concrete
- ✧ Most masonry surfaces
- ✧ Decorative concrete
- ✧ Concrete counter tops

- ✧ Exterior surfaces
- ✧ Sports arenas
- ✧ Chemically-stained concrete
- ✧ Stamped concrete
- ✧ Architectural concrete
- ✧ Floors
- ✧ Walls

## Yield

One gallon of **Prime Shield** will treat between 300 and 400 square feet of surface area, depending on the porosity and condition of the concrete where it is applied.

## Color & Packaging

**Prime Shield** is a milky-white liquid that dries to a water-clear finish. **Prime Shield** is available in 1-gallon and 5-gallon units, in 55-gallon drums and in 275-gallon totes. Shelf life is one year if material is properly stored in a sealed container.

## Application Information

*CAUTION: Do a small test in an inconspicuous area before starting the project to assure the compatibility of all products being used. Conduct the product test using exactly the same procedures and in the same fashion that you plan to use on the actual project itself. Read all instructions, warnings and limited liability statements found on product labels and technical data sheets beforehand. Prime Shield is designed to be used by professionals.*

**SURFACE PREPARATION:** The surface must be clean, dry and free of all contaminants, oil, sealers, bond breakers and waxes. After the surface has been cleaned, make sure that all residues have been removed using clean water. Be sure to use a vacuum or sweeper to remove all chemical residue and also any dust, dirt or any other contaminants that may be on or just below the surface of the material. Always conduct a small test to assure the compatibility of all products being used.

**APPLICATION INSTRUCTIONS:** Make sure that you apply the proper consistency of **Prime Shield**. Diluting the material will reduce its efficiency. **Prime Shield** may be applied to many more surfaces than just concrete, but always test the surface are in question first to assure compatibility.

- ① You can apply **Prime Shield** using an airless spray unit or a short-nap roller.
- ② If an airless spray unit is unavailable, a brush or a short-nap roller can be used instead.
- ③ Use both with extreme caution, because improper use of them may cause foaming and bubbles to appear in the film/product, producing an undesirable appearance when the material dries.
- ④ Coat the surface uniformly. Do not leave any gaps, slips or excesses. Do not apply more material per square foot than what is specified in this Technical Data Sheet.
- ⑤ Apply **Prime Shield** only to surfaces that are structurally sound and have been completely cleared of all dirt, oil, grease and other foreign matter.
- ⑥ Apply at a coverage rate of between 350 and 400 square feet per gallon on hard floors and at a coverage rate of 350 to 300 square feet per gallon on porous floors.
- ⑦ A second coat is recommended for long-term durability. After the first coat has been applied, a second coat may be applied typically after the surface has dried tack-free.
- ⑧ The material will dry in less than 4 hours at 72° F.
- ⑨ Apply the second coat using a coverage rate of between 400 and 450 square feet per gallon. The coverage rate will vary according to the porosity of the concrete.

READ ALL INSTRUCTIONS, WARNINGS AND LIMITED LIABILITY INFORMATION ON PRODUCT LABELS AND TECHNICAL DATA SHEETS BEFORE USING PRIME SHIELD.

### Technical Data

INFORMATION	VALUE
Color	Milky white; dries water clear
Solids	30 ± 1
Tack Free	20 to 30 minutes
Dry To Touch	20 to 30 minutes

<b>INFORMATION</b>	<b>VALUE</b>
Clean Up	Water
Pounds Per Gallon	7.94
V.O.C. Content	<100 grams per liter
Hardness	Excellent
Flammability	None
Application Temperature	50° F minimum
Spread Rate	300 to 400 square feet per gallon average per coat on concrete
Total Cure	Allow 48 hours for total cure before testing product.
<b>DO NOT FREEZE!</b>	

*CAUTIONS: Keep out of reach of children. May cause skin or eye irritation. May be harmful if swallowed. Do not induce vomiting. Use only in well ventilated areas. Contact a physician immediately and always seek a physician's advice regarding first aid. Use only in commercial or industrial applications. Use only on intended surfaces.*

**For safety data, see Safety Data Sheet.** *Take all preventive measures specified in the Safety Data Sheet and in the hazard markings to prevent accidents and protect health.*

*Information provided in this data sheet is based on the current state of knowledge. This does not exempt purchasers from carrying out their own careful inspections of incoming goods in individual cases. We reserve the right to make changes to the product data in the course of technical progress or due to operationally-related further development. Owing to factors beyond our control during application, recommendations given in this data sheet require tests and experiments by customers. Our recommendations do not exempt customers from the obligation to check any infringements of third-party rights themselves and eliminate them if necessary. The suggestions made herein for product use are not equivalent to a warranty of its suitability for the recommended purpose.*

*Each new release of this data sheet supersedes the previous one.*

***For more information, contact:***

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