

# Technical Product Data



## **PRECISION SLIPSHIELD 1000**

**PRECISION COATINGS**

### **DESCRIPTION**

Slip resistant modified epoxy floor sealer  
Dry 0.81 coefficient of friction  
Wet (water) 0.54 coefficient of friction  
Superior ultra-violet weathering  
Chemical and stain resistant  
Low VOC – Low Odor  
Corrosion resistant  
Clear and solid color finishes  
Gloss, semi-gloss and satin finishes  
LEED NC 2009 compliant

### **USES**

Slip resistant coating system  
Commercial and institutional floors  
Industrial maintenance floors  
Concrete flooring (interior/exterior)  
Ceramic tile floors (interior/exterior)  
Hardwood flooring (interior)  
Polished stone floors  
Grout lines

### **TECHNICAL DATA**

% SOLIDS by volume	92% as applied
COATINGS VOC (as packaged)	max. 3 g/l (less water & exempt compounds)
APPLIED VOC (reacted)	max. 96 g/l (less water & exempt compounds) includes reaction volatiles
COMPONENTS	Advanced Polymer Modified Epoxy Coating Resin 4 parts /Activator 1 part
POT LIFE	4 hours @ 70° F, 21° C
SHELF LIFE	one year (unopened)
REDUCERS	Not required
FLASH POINT	109° F, 42.8° C
MIX RATIO	4:1 (4 parts resin : 1 part activator)
RECOMMENDED DRY FILM THICKNESS	3-5 mils per coat (75-125 microns), 1 to 2 coats
THEORETICAL COVERAGE	491 – 295 sq. ft. at recommended DFT (theoretical)

**Precision SlipShield 1000** slip resistant floor sealer may be applied over appropriately prepared concrete, ceramic tile, polished stone, wood flooring, tightly adherent coatings as well as steel and galvanized decking. Precision SlipShield 1000 is available in clear, Fleet White, Titanium Gray, Medium Gray, Dark Gray, Shadow Beige, Desert Brown, OSHA Safety Red, OSHA Safety Yellow and OSHA Safety Blue.

### **SURFACE PREPARATION**

**Concrete** – Surface must be cured, clean, dry and free of contamination. Water vapor pressure in concrete shall not exceed 4 lbs. per 1,000 square feet. Shot blast to remove laitance and achieve a 70-80 mesh profile appearance. Prime with Precision ST100 epoxy primer.

**Ceramic Tile** – Tile surface and grout must be clean and dry. All wax, grease, silicone sealants and dirt must be removed from the surface. It is strongly recommended that a test application be completed on ceramic tile to ensure adhesion prior to commencement of full application of Precision SlipShield 1000.

**Polished Stone Flooring** – Stone surface and grout must be clean and dry. All wax, grease, silicone sealants and dirt must be removed from the surface. It is strongly recommended that a test application be completed on polished stone to ensure adhesion prior to commencement of full application of Precision SlipShield 1000.

**Hardwood Flooring** – wood surface must be clean and dry. All wax, grease, silicone sealants and dirt must be removed from the surface. It is strongly recommended that a test application be completed on wood flooring to ensure adhesion prior to commencement of full application of Precision SlipShield 1000.

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**Steel** – Clean the surface of all foreign material SSPC-SP1 and SSPC-SP2 or SSPC-SP3, SSPC-SP6 or SSPC-SP7. Substrate must be clean and dry prior to application of the ST100 surface tolerant primer. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

**New and Existing Coated Surfaces** – Physically abrade existing coated surfaces thoroughly and completely with 180 grit or equivalent abrasive paper or scuff pad. . Substrate must be clean and dry prior to application of the Precision SlipShield 1000. For primed substrates, follow the surface preparation instructions and recoat times for the specific primer used.

### **INSTRUCTIONS – MIX RATIO**

Stir or shake thoroughly to ensure uniform mixture. Mix 4 parts Modified Epoxy Coating with 1 part Epoxy Activator. Additional reduction is not necessary.

### **APPLICATION**

Precision SlipShield 1000 is designed for application by professional coating applicators only. Precision SlipShield 1000 is commonly applied by floor coating application pad, roller or brush application on flooring. Please see Guidance for the Application and Maintenance of SlipShield 1000. Utilize a 3/16" or 3/8" nap phenolic core roller. Application can also be done by spray. Recommended film thickness is 3.0 to 7.0 mils DFT. Surface temperatures must be at least 5° F (3° C) above the dew point for application. Relative humidity below 40% will extend the dry times.

### **APPLICATION EQUIPMENT**

Roller – 3/16" to 3/8" inch nap, phenolic core  
Brush – natural bristle  
Floor Coating Applicator Pad - Lambskin

### **DRY TIMES**

Dry times @ 70° F (21° C) and 50% RH

Tack Free	4 hours
Dry Time	24 hours light traffic / 48 hours full traffic
Recoat	Clean surface and abrade with 180 grit abrasive paper prior to recoating,

### **CLEAN UP**

Follow local, state and federal regulations. Clean all spray equipment immediately after use. Acetone may be used to clean spray equipment. PCI's 17000 Gun Cleaner is a VOC exempt cleaner and is recommended for cleaning application equipment used to apply the Precision SlipShield 1000 system. Refer to Material Safety Data Sheet for proper handling of products listed in this bulletin. Acetone may be used to clean application equipment immediately after use.

### **SLIPSHIELD 1000 MAINTENANCE**

Precision SlipShield 1000 can be cleaned and maintained with water and mild non-abrasive detergent cleaning. In order to optimize and maintain its slip-resistant properties, Precision SlipShield 1000 should NOT be waxed.

**Refer to Material Safety Data Sheet for proper handling of products listed in this bulletin.**

*DISCLAIMER: The technical information and suggestions for use have been compiled for your guidance and usage. Such information is based on Precision Coatings experience and research and is believed to be reliable. As Precision Coatings has no control over conditions in which the product is used, stored, or otherwise handled, the above information does not constitute a warranty. Buyers must assume responsibility for the suitability of the product for their purposes.*

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