

To obtain Pro-Barrier™ installation guidelines, specifications, warranty, and SDS, please visit Northstarsalesalliance.com.

Pro-Barrier™ is a versatile, easy to apply water-based sealer & coating system providing excellent adhesion to most clean surfaces including smooth or profiled concrete, wood, ceramic tiles, and metal. Can be used in horizontal or vertical applications. Pro-Barrier™ is semi-permeable allowing for some breathability of the surface. It has flexibility coupled with excellent scuff resistance and exhibits good chemical and water resistance. Pro-Barrier™ coating provides optimal protection for commercial flooring.

APPROVED SUBSTRATES

For interior use only. For application over sound and properly prepared concrete (on, above, or below grade), metal, wood, and VCT/ceramic tiles. The surface can be smooth or profiled. Smooth surfaces should have gloss knocked down with abrasion.

For optimal adhesion and maximum penetration, existing concrete can be etched with biodegradable S3 Surface Prep EXT. Remove all waxes and polishes from existing substrate before installation.

PRODUCT TESTING

V.O.C. compliant and low odor; <40 g/L

Mix ratio: 3B:1A by volume

ASTM C309: maximum limit of 0.55 kg/M2 water loss

ASTM D7234: Concrete Pull off-failure in concrete.

SITE CONDITIONS

Installation site temperatures must be between 42-90°F (6-32°C) and the ambient relative humidity between 30-65%. Do not use fans to dry Pro-Barrier™ within the first 2 hours of application. Tack free time under normal conditions will range 4-6 hours.

SUBSTRATE PREPARATION

Substrate must be structurally sound, clean, level, and dry. Substrate must be free of dust, dirt, oil, grease, paint, curing agents, concrete sealer, adhesives, loosely bonded toppings, loose particles and any other substance or condition that may prevent or reduce adhesion. Fill depressions or cracks with a cementitious or polymeric patching material. If required a concrete surface profile can be achieved by applying S3 Surface Prep EXT or grinding/shot-blasting. Smooth surfaces should be opened up by abrading with 60-80 grit sandpaper or with similar abrasive means. If petroleum products or water-based adhesive residue is present, use S3 Surface Prep EXT to prep surface.

SPREAD RATES

Coverage rate is approximately 300-500 square feet per gallon. New or less porous concrete may absorb less.

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PRO BARRIER™

Water-Based Antimicrobial Surface Protection Coating

Parts A + B Included

CLEAR GLOSS



Pro-Barrier™ provides durable, built-in surface protection against bacteria, fungi, molds, and yeasts, and actively controlling organisms that may try to establish themselves on any surfaces. In many facilities the risk of microorganisms is widespread on surfaces and equipment.



Pro-Barrier™ is "Quat free" (Quaternary ammonium cation) with an EPA approved antimicrobial additive that provides constant surface protection throughout the entire service life of the coating (5+ years)*. The antimicrobial activity of Pro-Barrier coating was evaluated using the standard ASTM E2180 test.

*When the surface is well-maintained/cleaned.



Pro-Barrier™ has excellent moisture resistance for high humidity environments.

Net contents: 4 gallons (15.1L)

MIXING INSTRUCTIONS:

Use gloves to protect skin. Use respirator if spraying or in a poorly ventilated area.

Carefully lift out insert tray containing Part A Resin and set aside. Pre-mix Part B (Larger pail) with specified drill mixer, using mixer to break solids loose from bottom of pail. **BE SURE TO LOOSEN ALL SOLIDS FROM BOTTOM.** Use a long paint stick to scrape solid material from corners of pail. Once solids are free from the bottom, mix Part B on high speed for 2 minutes.

Once Part B is mixed, slowly add Part A into Part B and continue mixing with the same drill and mixer. Mix for 2 minutes. Ensure that Part A and B have completely integrated.

APPLICATION INSTRUCTIONS:

After mixing, distribute the Pro-Barrier™ into deep roller pans and use a 9" or 18" nap roller (1/4" to 3/8") to evenly apply at 300 – 500 sf/gallon rate. Use roller ends to work Pro-Barrier™ material into surface spalls and pinholes to ensure even coverage. If a second application is necessary make sure 1st coat has cured at least 12 hours. Once applied, Pro-Barrier™ will be tack free within 4-6 hours. Allow 8-12 hours for light traffic, and 24 hours for working traffic.

Set Time Guidelines

	60° F (16° C)	73° F (23° C)	90° F (32° C)
Pot Life	90 Minutes	60 Minutes	30 Minutes
Foot Traffic	18 Hours	15 Hours	12 Hours

CLEAN UP: Clean all tools and areas with a scouring pad and warm soapy water. If the product is allowed to set, then mechanical cleaning or the application of suitable paint stripper may be required. Follow all local regulations for disposal.

WARNING:



READ SDS BEFORE USE

SAFETY: USE IN WELL VENTILATED AREAS, DO NOT INGEST, SWALLOW OR INHALE. PROTECTIVE GEAR SHOULD BE USED, GLOVES AND GLASSES. IF USED IN CONFINED SPACES, USE A PAINTER'S MASK. FOR SKIN AND EYE CONTACT, FLUSH WITH WATER.

HAZARD & PRECAUTIONARY STATEMENTS:

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Call **POISON CONTROL** if swallowed, rinse the mouth with water. Wash with plenty of water if on skin.

Do not handle until all safety precautions have been read/understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, or drink, or smoke when using this product. Use personal protection equipment as required. In case of inadequate ventilation wear respiratory protection. Avoid release to the environment.

WARRANTY: This product is covered by a 4-year limited warranty. For more detailed information on this limited warranty, please contact S3 Surface Solutions at info@S3SurfaceSolutions.com or visit www.s3surfacesolutions.com