



Stain Shield Penetrating Sealer

Instructions Technical Data

KEEP OUT OF REACH OF CHILDREN. AVOID EYE CONTACT. SEEK IMMEDIATE MEDICAL ATTENTION IF INGESTED OR EXPOSED TO EYES. AVOID PROLONGED EXPOSURE TO SKIN. WEAR SAFETY GOGGLES AND GLOVES WHEN WORKING WITH NATURAL LOOK SEALER. REFER TO MATERIAL SAFETY DATA SHEET (MSDS) FOR ADDITIONAL HEALTH AND SAFETY INFORMATION. FOR MSDS (MATERIAL SAFETY DATA SHEET), VISIT SHOP.5STARFINISHES.CA

GENERIC TYPE: Water-based fluoro-chemical siloxane emulsion

GENERAL PROPERTIES: Water-based penetrating sealer developed to both mechanically and chemically bond to a wide variety of mineral substrates including, but not limited to concrete, stucco, pavers, natural stone, clay tile (Saltillo tile), and brick. While achieving a natural appearance, Stain Shield is effective for applications where oil, stain, and water repellency is desired to reduce undesired discoloration, cracking, freeze / thaw damage, chemical degradation, biological growth, efflorescence and dirt pickup.

- Extends substrate life cycle
- Reduce maintenance costs
- User friendly
- Low VOC
- UV Stable
- Minimal change in substrate appearance
- Excellent beading for improved aesthetics

This Sealer works best with all of our Lime based and Concrete look series when tinted to darker shades. The concentrated pigments react with most of the penetrating sealers on the market and create a white haze in places that can damage and lighten the appearance of your plaster.

COVERAGE

Theoretical yield is 200 to 1000 sq. ft./gal. depending on texture and porosity of the surface to be sealed and method of application. For exact coverage rates, a measured quantity to proper application over a known area will provide a square foot coverage rate for a specific job. The coarser finishes will use a lot more sealer than fine finishes with closed pores and a more polished surface.

SUITABLE APPLICABLE SURFACES

Apply sealer only to plaster that is newly installed, or to older plaster walls that have been previously sealed with a water based penetrating sealer. The surface must not have wax applied, or any other paint or topical sealers used. Please test the sealer on previously sealed surfaces to test compatibility and effectiveness etc.

Preparatory work: Keep all the tape on your plaster until after the sealing. The sealer as it wets out the edges of the plaster and tape makes it easier to remove. Use a utility knife with a fresh blade to cut the tape edge after sealing and before the sealer has completely dried. This makes it easy to remove. In very thin finishes such as our VP Satin Marble, it is important to let the tape fully dry before removing, as often times the sealer can wet the drywall out around edges, and can help to remove some of the finish from the sealer base coat pulling on the edge from the surface. In most circumstances with our finishes it is advised to seal and then cut and remove the tape when wet.

Maintain all site protection, and use extra directly under the wall, as a lot of sealer can run off the roller sleeve on to the floor during application.

PRODUCT APPLICATION

Stain Shield can be applied with a 10 mm roller, micro roller or sponge. On dense surfaces one coat is all that is required to seal and protect the surface. If a second coat is necessary due to extreme porosity, apply immediately after the first coat has soaked in. Do not apply during wet weather or when surface temperature exceeds 80°F. Application to a damp surface or incompletely cured concrete may cause a hazy appearance or loss of adhesion. Air and surface temperature should be between 50° and 80°F for 24 hours following application.

It is recommended to use a microfiber 13 mm sleeve for heavier plaster finishes, and 10 mm sleeves for thinner finishes and a sponge when the finish is very polished and the sealer will not absorb if rolled. The roller sleeves do not hold the sealer very well as it has no viscosity and will run all over the floor and wall if you roll top to bottom with a full sleeve. It is recommended to start at the bottom and slowly roll with little pressure upwards watching the sealer absorbing into the wall. Always work bottom to top to stop from squeezing the sealer out of the sleeve as you roll downwards. The sealer will splash and seal areas of your wall before you get to those areas if your working on larger walls; however these areas do not show in the final appearance and should not be cause for concern.

With certain colors the sealer can darken areas if you really saturate the plaster with sealer. The biggest mistake is applying the sealer with a brush on the edges and around lights etc and then rolling other areas. You can end up with dark outlines due to the brush adding far more sealer than the roller. It is best to use a sponge or roller for the entire application and protect the walls and ceilings with tape and brown paper to ensure an even application that allows you to roll right to the edges with a micro roller etc. If you find that there are uneven areas, you can wash the areas down with a wet rag and allow to dry, followed by some light burnishing to blend the colors together again or burnish while still wet. You can also add some extra sealer to places to darken those areas and provide a more even look if required, working slowly to achieve your final effect.

One coat is recommended for all interior finishes, and two coats for exteriors and bathrooms especially around the sink and fireplaces. Allow each coat to dry prior to applying the next layer.

On very polished finishes, you will find often times dried metallic looking sections on your walls. It is best to polish the walls after with microfiber rags and remove any extra residue after the sealer has dried.

DRY SCHEDULE:

Dry Time: 30 mins to 3 hrs
Rainproof: 12 hrs
Cure Time: 48-72 hrs

WATER PENETRATION TEST:

Drop or spray a small amount of water on the sealed surface. If water penetration occurs or if water does not bead up on the surface, the application of additional sealer should be considered. Lime plaster breathes and will always absorb some water no matter what penetrating sealer is applied, but if it seems excessive it would be advisable to apply some more sealer to any problem areas.

MAINTENANCE:

Minimal maintenance is required except for sweeping the surface of dirt and wiping up spills soon after they occur. Perform "Water Test" once a year. If test fails, reapply Stain Block Elite.

CLEAN UP:

Soap and water

POT LIFE: This product will not set and should be kept tightly in its bucket .

To order materials, find more tech information and install ideas please visit WWW.5STARFINISHES.CA.
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