



SubSeal®

Liquid Waterproofing & Crack-Suppression Membrane

INSTALLATION SHEET

SUITABLE SUBSTRATES

SubSeal® is an excellent solution for areas such as, food courts, restaurants, balconies, decks, commercial kitchens, showers, lavatories, parking decks, laundry rooms, and other areas needing on grade or above grade waterproof protection.

Concrete: Poured, pre-stressed and pre-cast. Cement backerboard, mud beds, gypsum board, lightweight concrete and patching/leveling compounds.

Wood: Exterior or exposure 1 plywood

Other Substrates: Exterior decks and balconies, existing ceramic and porcelain tile and resilient flooring.

SURFACE PREPARATION

1. Wear rubber gloves and eye protection while using this product.
2. Surface temperature must be above 40° F (4°C) for 24 hours prior to application of SubSeal and for 48 hours after application.
3. Exterior and wet areas must have proper sloping to drains
4. Surfaces must be level, structurally sound and meeting L/360 for ceramic and porcelain tile or L/720 for stone tile on live or dead loads. Maximum variation of 1/4" in 10' from the required plane.
5. Grind bumps and level slab depressions with a quality latex underlayment in accordance with manufacturers' instructions. Surfaces must be free of holes, projections, moisture, dirt, waxes, curing compounds or other bond breakers. On smooth surfaces, scarify floor.
6. Prefill cracks and joints by forcing SubSeal into the openings. Gaps between plywood sheets must also be prefilled.
7. Do not use under self leveling underlayments.
8. Keep SubSeal and companion products protected from the elements until the tile is fully installed, grouted and cured.

INSTALLATION

1. Apply SubSeal evenly with:
 - Trowel: v-notch trowel (3/16" x 1/4"), using flat side, flatten ridges to a uniform thickness.
 - Roller: rough textured (3/4") synthetic roller.
 - Paint Brush: standard bristle paint brush.
 - Airless Sprayer: with a PSI between 1900-2300, a tip opening between .025 to .029 and a flow rate 1.0 - 1.5 gpm.

Ensure SubSeal appropriately covers and penetrates corners and end seams. Pre-formed Inside and Outside fabric corners may be used to add additional support to the corners.

2. Average dry time of SubSeal is about two hours but may vary due to temperature, humidity, internal moisture level, porosity of substrate and application thickness.
3. After the first coat has dried, apply a second coat of SubSeal at a right angle to the first coat. This is recommended for water containment and/or if voids or pinholes are found. Periodically check the film thickness with a wet-film gauge. When wet, the combined coatings must be at least 60-70 mils thick. The combined dry coating thickness should be a minimum of 40 mil and should not exceed 115 mils wet-film thickness.
4. Install tile or stone flooring with a polymer modified mortar that meets ANSI A118.4 standard.
5. Clean tools and hands with water prior to material drying

Caution

- Substrate temperature must be at least 40°F. Keep SubSeal and companion products protected from the elements until tile is fully installed grouted and cured.
- Average product coverage is about 110 Sq. Ft. per gallon but is contingent upon the type of applicator used and porosity of the substrate. For highly absorptive surfaces, additional coats may be required.
- Applying SubSeal too thick can result in extended cure times and may cause product to crack.



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