



PREPARATION, PRIMER APPLICATION, AND MEMBRANE INSTALLATION

Preparation

1. Concrete must be in place for a minimum of 14 days. The surface must have a smooth finish and be free of voids, sharp protrusions, and loose aggregate. Substrate temperature should be between 40° F and 90° F. The substrate must be structurally sound, dry, and clean, free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds, and cement laitance.
2. Rough and uneven concrete surfaces should be made smooth with a latex Portland cement underlayment (self-leveling or trowelable) to provide a wood float or better finish. Do not level with gypsum or asphalt-based products.
3. Interior plywood must be a minimum of two (2) layers of 5/8" exterior-grade plywood. The layers must be securely fastened in accordance with industry standards. Maintain a 1/8" gap between plywood sheets and all surfaces they abut. Joints in the top layer should be offset from the joints in the bottom layer.
It is the responsibility of the installer to verify that the deflection of the floor structure and subfloor does not exceed the industry standard of L/360 of the span under combined live and dead loads.

Primer Application

1. Stir or shake water-based Proflex™ Primer thoroughly.
2. Apply with a long-nap roller, brush, or trowel. Apply evenly at 300-500 square feet per gallon.
3. Proflex™ Primer has dried satisfactorily when the surface is tacky but does not transfer when touched (approximately 20 minutes to 1 hour).

Membrane Installation

Place Proflex™ Membrane with the release paper still attached over the area to be treated. Unroll the membrane and cut, leaving 2"-3" excess at one end. Then proceed to either Method 1 or Method 2, described below.

Method 1: Fold membrane in half lengthwise. Peel 1/2 of the release paper from the leading edge of the membrane and slowly pull the release paper toward you, exposing the tacky surface of the membrane. Carefully attach the membrane onto the primed floor, avoiding wrinkles and bubbles.

Method 2: Roll up 1/2 of the membrane, leaving the other half unrolled. Cut the release paper from the rolled portion of the membrane and slowly pull the release paper toward you, exposing the tacky surface of the membrane. Carefully attach the membrane to the primed floor, avoiding wrinkles and bubbles. When this procedure is complete, repeat with the unrolled portion of the membrane.

For full coverage application, carefully butt edges. (Overlapping will cause the floor to become uneven, but will not affect performance.)

Immediately after installation, apply firm pressure to ensure good contact with surface. Work from the center of the membrane to the edges. Bubbles and wrinkles should be slit and smoothed with a roller or trowel.

Surfacing materials such as ceramic tile, porcelain tile, marble, stone, or brick can be installed immediately after the membrane has been installed. Maintain a minimum of $\frac{1}{4}$ " perimeter expansion. Mortar should meet ANSI 118.4 as a minimum standard. Mastic should be Type 1 or better.

Limitations

- Substrate must be primed with PROFLEX™ Primer.
- Impervious tile (less than 0.5% absorption) may require a 48-hour cure prior to grouting. The mortar will be sandwiched between two nonabsorptive materials and will require additional cure time. Cooler weather will also increase set time. Consult mortar manufacturer for additional requirements.
- Not for use over expansion joints (structural design joints) or structural (out-of-plane) movement cracks.
- Not recommended for use on concrete floors when hydrostatic pressure is present.
- Maximum $\frac{1}{4}$ " seam for crack isolation.
- Protect Primers from freezing.
- Perimeter expansion of $\frac{1}{4}$ " minimum must be maintained for warranty.
- This product should not be stored in direct sunlight.

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Rev. 4/12/05

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