

Waterproofing Membrane Installation Guide

with VaporShield Technology™



Subfloor Prep

The substrate must be clean, even, and load bearing. The thin-set mortar used for bonding the WP must be appropriate for the substrate, and it must penetrate and engage the WP fleece. We recommend using a modified thin-set mortar to install the WP to the vertical substrate. Cut the WP to size prior to application.

Step 1

Apply thin-set mortar to the substrate using a 1/4" x 3/16" (6 x 5 mm) V-notch trowel. Press the WP fully into the bond coat. Work the WP into the mortar by applying pressure to the membrane with the flat side of the trowel (held at an angle) in smooth, diagonal sweeps. ALL air bubbles must be removed.

Step 2

Seams can be constructed by overlapping the edges of the WP 2" (5 cm) using unmodified or modified thin-set mortar, or by abutting the edges and covering the joint with Seam Tape using an unmodified or modified thin-set mortar.

Step 3

For inside and outside corners, adhere pre-formed WP Inside and Outside Corners. For floor/wall connections, use Seam Tape. Install Pipe Collars at showerhead, body sprays, etc. and Mixing Valve Collar at the mixing valve. As an alternative to the Pipe Collars and Mixing Valve Collars, other suitable sealants can be used to seal pipe protrusions and protect moisture sensitive solid backing panels at the mixing valve.

Step 4

Once the entire membrane—with seams, corners, and connections—has been completely bonded, and therefore waterproofed, the tile/stone may be applied.

Note: Water testing of the assembly

Prior to setting tile, wait 24 hours to allow for final set of the mortar before testing to ensure waterproof performance of the assembly at seams and connections.

Step 5

For tile installations using the thin-bed method, apply unmodified or modified thin-set mortar directly to the exposed WP surface and install the tiles, ensuring full coverage. For acid-resistant coverings, use an epoxy adhesive to set and grout the tile.