



DUROCK™

Tile Membrane

installation guide



DUROCK™ Tile Membrane
DUROCK™ Tile Membrane Adhesive

An easy-to-install tile backer on a roll with superior tile bond.

DUROCK™ tile membrane is a thin, water-proof, vapor-permeable membrane used under tile in residential and light-commercial floor, wall and countertop applications. Easy to install, with outstanding tile bond, this membrane provides a high-performance crack-isolation solution when used with DUROCK™ tile membrane adhesive.

Cementitious side (dark)

Back side (light)



For detailed instructions on installation, please see over.



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DUROCK™

Tile Membrane

Start with Quality Products

DUROCK™ Tile Membrane (DTM)

For floors, walls and countertops.

DUROCK™ Tile Membrane Adhesive

- Superior adhesive
- Proprietary acrylic polymer
- Mould and mildew resistant
- Crack isolation system when used with DTM

Non crack isolation system when used with:

- Type 1 organic adhesive
- Latex modified thin-set mortar

Tools

Scissors, straightedge, notched trowel or 10 mm (3/8") nap paint roller, tape measure, utility knife, caulk and caulking gun.

Preparation

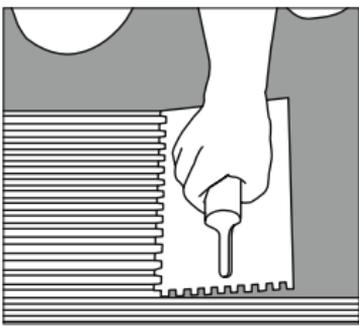
1. Ensure substrate is clean, even, flat, designed to support ceramic tile, and properly installed according to manufacturers' specifications.



2. Substrate must be free of sealers, waxes, bond breakers, dust and dirt.
3. If DUROCK™ tile membrane is installed directly over a woodbased subfloor, ensure that all fasteners are seated correctly and there are no uneven joints. Sand or fill if necessary.

Installation of Tile Membrane

1. Precut the full width of membrane to provide a tight fit to the perimeter of the room.
2. Spread adhesive over an area the full width of the sheet and as far as can be comfortably reached.
 - For DUROCK™ tile membrane adhesive, use a 10 mm (3/8") nap paint roller or a 2 mm (1/16") U-notch trowel.
 - For Type 1 organic adhesive, use a 2 mm (1/16") U-notch trowel.
 - For latex-modified thin-set mortar, use a 3 mm (1/8") U-notch trowel. Roll or trowel adhesive in parallel rows across the width or length to avoid trapping air under the membrane.

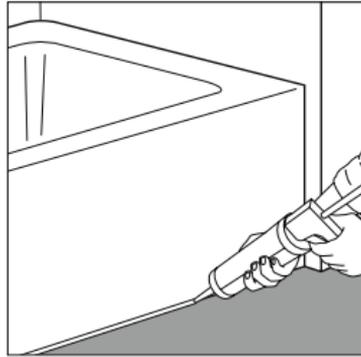


For installations over nonporous surfaces, such as vinyl, laminate and existing tile – allow adhesive to air-dry, becoming translucent and developing tack, before installing DUROCK™ tile membrane. Time will vary depending on temperature, humidity and substrate type; however, a minimum of 15 minutes should be allowed.

3. Install membrane with cementitious side out. Embed into adhesive, using the flat edge of the trowel or with a non-segmented hand roller. Start in the centre of the sheet and work out towards the edges, removing all air bubbles. Overlap each row 50 mm (2"), making sure that a sufficient amount of adhesive is applied to the joint area. For wall applications, begin from the lowest point and work toward the highest point of coverage so that all horizontal membrane seams are lapped in a shingle-like manner.



4. Areas unable to receive vertical flashing, such as pipe penetrations and bathroom tubs, should be sealed using a good quality silicone sealant. Run a continuous bead and tool the material to provide continuity to the membrane.

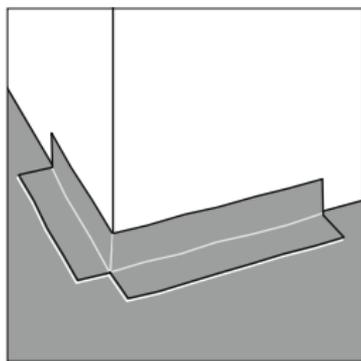


5. Allow membrane adhesive to cure sufficiently (minimum 2 hours for DUROCK™ tile membrane adhesive, minimum 4 hours for Type 1 organic adhesive or 8 hours for latexmodified thin-set mortar).
6. Install tiles on cementitious (dark) side of membrane with ANSI A118.4 latex-modified Portland cement mortar or ANSI A136.1 Type 1 organic adhesive. Refer to TTMAC* Handbook for tile installation procedures.

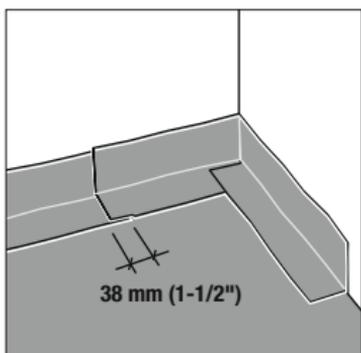
Installation of Flashing

If flashing is required:

1. Cut 75 mm - 100 mm (3"-4") strip from end of DUROCK™ tile membrane roll. Pre-crease the material in half lengthwise, with half to be adhered to the floor and half to the vertical surface. Install all corner pieces first, then fill in between corners around the perimeter as necessary.
2. Apply adhesive as discussed earlier.
3. Install membrane with the cementitious side out. For outside corners, make a relief cut and press into adhesive. Use the trowel's smooth edge to fully embed the material.



4. For inside corners, provide a relief cut, but place adhesive where the membrane folds over itself to ensure a waterdurable connection. Overlap butt joints by 38 mm (1-1/2") and use the adhesive to ensure a water-durable connection. Apply adhesive to the vertical and horizontal legs of the butt joint. Work the material carefully into position and smooth out, using the flat edge of the trowel.



5. Allow membrane to cure adequately before setting tile.



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