



Globally Proven
Construction Solutions

Installation of LATICRETE Products Over Alternative Membrane Types

TDS-1103

Demand for the installation of tile or stone over a variety of different membranes, which are not typical for direct adhered applications, is growing at a significant pace. There may be a solution to directly adhere to many of these membrane types without compromising the performance of the waterproofing or adhesive of the tile or stone. These membrane types include, but are not limited to, urethane-based products, polymethyl methacrylate (PMMA), polyurea, epoxy, and hot-applied membranes.

Before getting into the application itself, it must be noted that the methods suggested below are for horizontal surfaces and bases only. The method described below does not apply to vertical installations above the height of typical cove base, or, exterior installations over occupied space. The use of the method should be verified as acceptable by the membrane manufacturer prior to commencement of work to ensure that any warranty provided by the membrane manufacturer will still be in place.

The steps for this installation method are as follows;

- Verify that the membrane is acceptable for the application type and location.
- Check with membrane manufacturer to verify that any warranty, which that manufacturer would provide, is still valid after receiving a sand broadcast (to refusal) and subsequent tile or stone finish.
- If the manufacturer of the membrane has a procedure for the application of sand to their product, follow it.
- Apply membrane per manufacturer's installation instructions and broadcast sand onto wet membrane to refusal. Use appropriate kiln dried aggregate of a size that allows sufficient embedment and exposure. Membrane should be generally not visible after completion of the seeding process.
- Allow membrane to cure fully.
- Sweep and vacuum excess sand from the surface to ensure that the only sand that remains is well adhered to the membrane.
- If a mortar bed is required, use LATICRETE 3701 Fortified Mortar Bed over a slurry bond coat of 254 Platinum or 335 Premium.
- Install tile, stone or other veneer to the surface using 254 Platinum or 335 Premium.
- Grout the tile or stone using SPECTRALOCK® PRO Premium Grout, PERMACOLOR™ or PERMACOLOR NS.
- Use LATASIL™ for movement joints, changes in plane, and to help seal any penetrations through the system.
- Consult LATICRETE for bond coat options for ridged materials.

Please note that LATICRETE will provide a warranty, based on the terms and conditions of the warranty, for the LATICRETE products being used on the application, with the following exceptions:

- LATICRETE will not warranty the membrane.
- LATICRETE will not warranty the sand, adhesion of the sand or application of the sand.
- LATICRETE will not warranty leaking, or, damage caused by leaking.
- LATICRETE will not warranty any LATICRETE products which are not listed on the 25 Year Warranty (DS-1146) or which are not suitable for the application for more than 1 year (DS-1097).
- LATICRETE will not warranty this method for exterior installations over occupied space. For this method contact LATICRETE Technical Service.

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