

# INSTALLATION

## GARDA WATERPROOFING MEMBRANE

### Preparation

The substrate must be clean, even, and load bearing prior to installation. The thin-set mortar used for bonding GARDA must be appropriate for the substrate, and it must penetrate and engage the GARDA fleece. Generally, an unmodified thin-set mortar is used. Cut GARDA to size prior to application.

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

**NOTE:** The open time of the mortar and follow all manufacturer specifications

2. Seams can be constructed by overlapping the edges of the GARDA 2" (5 cm) using unmodified thin-set mortar, or by abutting the edges and covering the joint with GARDA-GS5 using an unmodified thin-set mortar.
3. For inside and outside corners, adhere pre-formed GARDA-ROZEK-C corners. For floor/wall connections, overlap using GARDA-GS5. Use an appropriate waterproof sealant to seal pipe protrusions and protect moisture-sensitive solid backing panels at the mixing valve.

4. Once the entire GARDA membrane, with seams, corners, and connections, has been completely bonded, and therefore waterproofed, the covering may be applied.

**NOTE:** Water test the assembly prior to setting tile, wait 24 hours to allow for final set of the mortar before testing ensuring waterproof performance of the assembly at seams and connections.

5. For tile installations using the thin-bed method, apply unmodified thin-set mortar directly to the exposed GARDA surface and install the tiles in accordance with TCNA Handbook recommendations, ANSI A 108 standards and bond coat manufacturer's directions. Complete coverage of GARDA by the bond coat is required.

**GARDA** meets and exceeds the high performance criteria for the American National Standard for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installations (ANSI A118.10). Certificate number TCNA-593-13