

INSTALLING THE SUBSTRATE

- Leave 1/8" gap at every change of plane: corners, walls to ceilings, walls to tubs, walls to shower pan, walls to floors.
- Ensure that every edge of the cement board is supported so if the wall is pushed out or leaned on, no movement is allowed. Tape the seams with an alkali-resistant fiberglass mesh tape.
- Fill all gaps with a joint sealant type Sikaflex® to allow different planes of the substrate to move in different directions. Allowing this movement in the substrate will compensate for potential excess stress.

WATERPROOFING MEMBRANE (KERDI OR SIMILAR)

- The substrate must be clean, even, and load bearing. The thin-set mortar used for bonding KERDI must be appropriate for the substrate, and it must penetrate and engage the KERDI fleece. Cut KERDI to size prior to application.
- Apply thin-set mortar to the substrate using a 1/4" x 3/16" (6 x 5 mm) V-notched trowel or the KERDI-TROWEL, which features a 1/8" x 1/8" (3 x 3 mm) square-notched design (Note the open time of the mortar). Press KERDI fully into the bond coat. Work the KERDI 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.
- Seams can be constructed by overlapping the edges of the KERDI 2" (5 cm) using Schluter ALL-SET or unmodified thin-set mortar, or by abutting the edges and covering the joint with KERDI-BAND using Schluter ALL-SETTM or unmodified thin-set mortar.
- For inside and outside corners, adhere pre-formed KERDI-KERECK-F corners. For floor/wall connections, use KERDI-BAND. Install KERDI-SEAL-PS pipe seals at showerhead, body sprays, etc. and KERDI-SEAL-MV at the mixing valve. As an alternative to KERDI-SEAL-PS/-MV, KERDI-FIX or other suitable sealant can be used to seal pipe protrusions and protect moisture-sensitive solid backing panels at the mixing valve.
- Connections to fixed building elements can be achieved by using KERDI, KERDI-BAND, or KERDI-FLEX in conjunction with KERDI-FIX, suitable trowel-applied waterproofing materials (such as urethane or similar), that require atmospheric moisture to cure, or other suitable sealing compounds.
- KERDI shall be separated at existing expansion, structural, and flexible edge joints. Cover the joints with KERDI-FLEX. To allow for greater movement, the center section of the KERDI-FLEX can be tucked into the cavity of the expansion joint prior to bonding.
- Once the entire membrane—with seams, corners, and connections—has been completely bonded, and therefore waterproofed, the covering may be applied.
- Do not install plastic between the studs and the cement board to avoid trapping moisture in between with no way to evaporate.

UNILIME MESH COAT

- Install the corner mesh COMBO 90 at all outside and inside square corners with a tight base coat and let cure for 12 hours or more.
- A uniform coat of UNILIME is applied at a thickness of 1/8" (3 mm) using a stainless-steel trowel.
- Embed GMESH immediately, pressing from the middle towards the edges. Overlap GMESH not less than 2-1/2 inches (64 mm) at seams.
- Feather seams and edges. Double wrap all inside and outside corners with minimum 2-1/2 inch (64 mm) overlap in each direction where mesh is used in lieu of an accessory.
- Avoid wrinkles in the mesh. The mesh must be fully embedded so that no mesh pattern shows through the base coat. Skim coat if necessary.
- Let the mesh coat cure for 48 hours.

TADELAKT OR DURALIME FINISH COAT

- Moist cure mesh coat and allow surface moisture to evaporate.
- TRADILAKT is applied to a minimal total thickness of 1/8" (3 mm) in 2 successive coats.
- Trowel-apply the first coat firmly to ensure proper mechanical bonding.
- Allow surface moisture to evaporate.
- Apply the second coat to a true even surface, free of tool marks, and other imperfections.
- Allow surface moisture to evaporate.
- Trowel float the finish firmly and evenly knocking down any tool marks and other imperfections.
- Let the finish further firm up.
- Polish the surface gently with the use of a stainless-steel trowel or a plastic trowel to minimize burnish marks.

NEXSEAL PROTECTION

- Allow the finish to cure for at least 48 hours.
- Apply 100% silicon caulking bead at transitions.
- Surface temperature should be 50° F - 100° F.
- Protect adjacent areas not intended to seal.
- Pre-moist a high-density foam roller in warm water.
- Fully saturate roller with into a paint tray.
- Apply sealer in small areas. Once the material is sufficiently on the surface, it will start out milky white.
- Work out product with little or no pressure to achieve a clear wet sheen, avoiding any puddles and maintaining a wet edge.
- Apply 2 successive thin coats in a zig-zag pattern in order to prevent any bubbling, hazing, or streaking.
- Allow 48 hours before servicing.