



CROSSVILLE®

Porcelain Tile Panels

crossvilleinc.com

Membranes for use with Crossville 5.6mm Porcelain Tile Panels

Always refer to the manufacturer's requirements for system information and details.

Rating

| Manufacturer | Residential | Light Commercial | Heavy Commercial |
|--------------|--|--|---|
| Ardex | 8+9 | 8+9 | 8+9 |
| Blanke | Permat | Permat | Permat |
| Bostik | Ultraset Advanced Gold Plus | Ultraset Advanced Gold Plus | Ultraset Advanced Gold Plus |
| Custom | RedGard RedGard SpeedCoat Custom 9240 | RedGard RedGard SpeedCoat Custom 9240 | RedGard RedGard SpeedCoat Custom 9240 |
| Laticrete | Fracture Ban Strata Mat Hydro Ban | Strata Mat Hydro Ban | Hydro Ban |
| Mapei | Mapelastc AquaDefense Mapeguard UM Mapeguard WP200 Mapelastc CI | Mapelastc AquaDefense Mapeguard UM Mapeguard WP200 Mapelastc CI | Mapeguard WP200 Mapelastc CI |
| NAC Products | SuperSAM ECB SubSeal | ECB SubSeal | SubSeal |
| Schluter | Ditra Ditra XL Ditra Heat | Ditra Ditra XL Ditra Heat | |
| TEC | HydraFlex | HydraFlex | HydraFlex |

Membranes by their nature are more compressible than tile, thin-set, and the substrate to which they are applied. When exposing any tile installation, but especially where a membrane is part of the system, it is advisable to use 3\4" plywood or similar to disperse heavy loads, heavy rolling loads, and weights concentrated in small areas like small legs of equipment or furniture. This applies to exposure to heavy loads such as during move-in of heavy equipment or furniture, movement of heavy loads via pallet jack or similar device, and/or scissor lifts and similar equipment. Load dispersion can also be effective at mitigating excessive, and possibly harmful, deflection due to increased load in wood framed construction. Failure to use load dispersion like plywood or other means can result in cracking of the tile or grout joints.

ANSI A108.19 section 7.3.2 states "When concentrated loads (scissor lifts, pallet jacks, automobiles, forklifts, etc.) will be used on tile floor, the engineer and/or specifier shall specify a suitable layer of protection to accommodate concentrated loads".