



1/4" ProPanel™

Lightweight Waterproof Backer Board For Floors & Countertops

WOOD FLOOR INSTALLATION

GENERAL: All framing should comply with local building code requirements. Design specifications should provide support with a maximum allowable deflection of L/360 of the span under all intended loads. The tile size should be at least 6" x 6". Architect, builder or design professional must specify location of control joints. Also see TCNA Handbook, Installation Method EJ171-Movement Joint Design Essentials, for industry guidelines.

FASTENERS:

Wood Floors: Minimum Thickness - 5/8" exterior grade plywood or OSB fastened and glued firmly to joists as per TCNA Handbook, Installation Method F175-07-Cementitious Foam Backer Board Dry-Set or Latex-Portland Cement Mortar.

Fasten boards directly to subfloor using either the ProPanel 1 1/2" Assembled Cap Nail or the ProPanel 1 1/4" Tab Washer and 1 5/8" Corrosion Resistant Screw or 0.113" x 1 1/2" round top ring shank nail. Fasteners should be spaced a maximum of 8" o.c. All fastener heads should be counter sunk flush with surface of the board.

INSTALLATION:

1. Apply a setting bed of polymer modified mortar over subfloor with a 1/4" square notched trowel combing mortar into a ribbed bed.
2. Install ProPanel to subfloor leaving a 1/8" gap between all boards.
3. All boards should be laid with staggered joints.
4. Fasten boards as outlined in the FASTENING section above.
5. Fill all joints with a polymer modified mortar and embed 2" fiberglass mesh.

NOTE: ProPanel is completely waterproof. If the area below the backerboard must be kept dry, all fastener penetrations and joints must be sealed with WaterArmor™ liquid waterproof membrane or equivalent.

CONCRETE FLOOR INSTALLATION

Concrete Floor: Concrete must be fully cured and clean.

INSTALLATION:

1. Apply a setting bed of polymer modified mortar over concrete floor with a 1/4" square notched trowel combing mortar into a ribbed bed.
2. Any depressions should be filled with mortar.
3. Install ProPanel leaving a 1/8" gap between boards.
4. Make certain there are no voids beneath panel and that it is supported solidly.
5. All boards should be laid with staggered joints.
6. Allow mortar to harden before taping joints.

***Robinson-Type Floor Tester ASTM C-627 Residential & Light Commercial
* Test was conducted on 1/4" ProPanel**