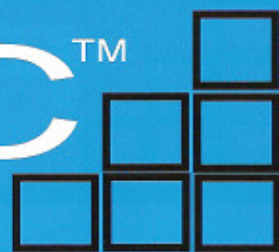




ProTEC™

BACKER BOARD

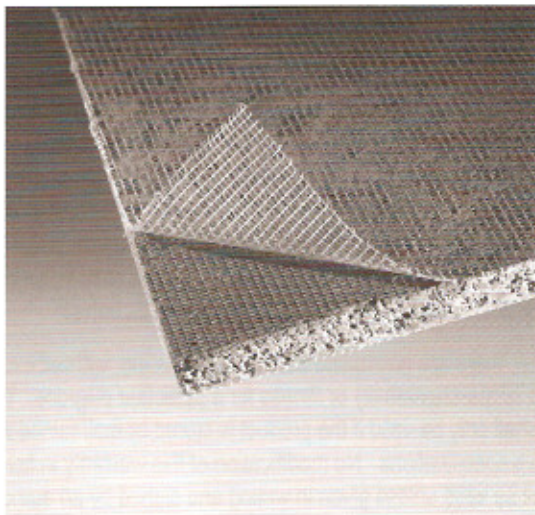


PRODUCT INFORMATION

ProTEC™ is a lightweight, concrete backerboard specifically designed to provide a permanent base for a wide variety of both interior and exterior construction applications. Made of durable Portland cement, alkaline resistant fiberglass mesh and lightweight aggregate. ProTEC is a superior underlayment for ceramic tile used on walls, ceilings, floors, countertops and exteriors.

High impact areas such as foyers, kitchens, bathrooms and utility rooms benefit from ProTEC's strength and durability. And, unlike gypsum-based products, ProTEC is well-suited for areas constantly exposed to water such as spas, steam rooms and indoor pools. It will not disintegrate or delaminate when wet, as do drywall and gypsum plaster products. Nor will it swell or rot, as do wood products.

ProTEC is unaffected by water, moisture or steam and will not decay, warp or soften. It actually increases in strength and hardness over time, as do other portland cement products. ProTEC is non-toxic and environmentally safe, contains no asbestos and is non-combustible.



P.O. Box 411 Hamilton, OH 45012
 Phone: (513) 870-9200 Toll Free: (800)833-6444 Fax: (513-870-9606)
www.finpan.com

Features

- Contains portland cement, fiberglass mesh and lightweight aggregate
- Wrapped, tapered edge
- Moisture & mold resistant
- Available in 1/2" x 3' x 5' and 1/4" x 3' x 5'
- Low coefficient of expansion and contraction
- Approved for interior and exterior use

Benefits

- Easy to cut, score and install
- Will not soften, swell, rot or delaminate
- Less susceptible to environmental changes
- Vermin proof
- Increases in strength and hardness over time
- Can be fastened with nails or screws

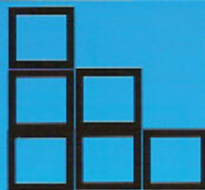
Performance Properties

1/2" PROTEC CEMENT BACKERBOARD

Complies with ANSI A 118.9 for a Nailable, Screwable Backerboard or Underlayment

Property	Test Value	Minimum Value	Result
Weight Lbs/sq.ft.	2.9	N/A	N/A
Shear Bond Strength(7 Day Cure) - CBU to CBU Saturated			
ANSI A118.1 Dry Set Portland Cement Mortar, Min. psi	258	50	Pass
ANSI A118.4 Latex Portland Cement Mortar, Min. psi	208	50	Pass
ANSI A 136.1 - Organic Adhesive (Type I, min.(psi)	91	50	
ASTM D2394 Compression Indentation			
Compressive Stress, Min (psi)	5000	1250	Pass
Residual Indentation, Max.(in.)	0.045	0.05	Pass
ASTM D1037 - Falling Ball Impact, Min. (in.)	12	12	Pass
ASTM D1037 - Fastener Holding, Min (staurated)	100	90	Pass
ASTM E84 Flame Spread Max	0	10	Pass
ASTM E84 Smoke Developed	5	10	Pass
NFPA 286-evaluation of wall & ceiling to room fire growth	0		Pass
ASTM Flexural Strength (Staurated)-long dimension perpendicular to joists			
Smooth Side Up	1260	750	Pass
Smooth Side Down	1100	750	Pass
ASTM D1037 Linear Variation/Moisture Movement			
Machine Direction, Max. (%)	0.03%	0.07%	Pass
Cross-Machine Direction, Max (%)	0.04%	0.07%	Pass
ASTM C666 (Procedure B) Freeze Thaw Cycling, Min. cycles	100	25	Pass
ASTM D3273-94 Mold Resistance			Pass

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ProTEC™

BACKER BOARD



Installation of ProTEC Backer Board

Scoring and Snapping or Sawing

1. Determine the dimension required for the ProTEC board.
2. Using a straightedge as a guide, score the ProTEC with a carbide tipped scoring tool, until the reinforcing glass fiber mesh has been cut.
3. Snap the ProTEC along the scored line.
4. On the opposite side, using the scoring tool, cut through the glass fiber mesh.

Fastening

Wood Studs: These must be 3 1/2" deep and no more than 16" o.c. Use conventional 1 1/2" galvanized roofing nails, preferably screw type, spaced a maximum of 8" apart, or 1 1/4" Hi-Lo® type S-point screws.

Steel Studs: These must be 20-gauge or heavier and no more than 16" o.c. When using 20-gauge studs, use a corrosion-resistant 1 1/4" Hi-Lo bugle head type-S-point screw or 1 1/4" RocOn® type-S-point screw. When using 18 to 20 gauge studs, use a corrosion-resistant 1 1/4" #8 screw with a type-S-12 self-drilling point or a corrosion resistant screw with a self-embedding head and a self-drilling point available from your ProTEC distributor. All screws must be spaced a maximum of 8" apart.

Joints

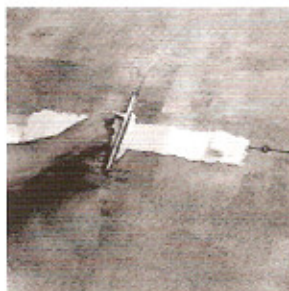
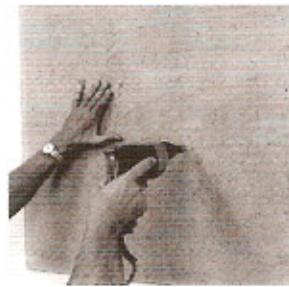
1. All horizontal and vertical joints and corners, including joints with dissimilar materials, shall have a gap approximately 1/8" to 3/16" which must be filled solid with dry-set or latex-portland cement mortar.
2. A 2" wide coated fiberglass mesh tape shall then be embedded in a very thin coat of the same mortar over the joints and in the corners.

Bonding Ceramic Tile

Bonded ceramic tile to ProTEC with a dry-set or latex Portland cement mortar is applied with a proper square notched trowel to provide a 3/32" thickness of mortar after the tiles are set. The mortar must be applied first as a skim coat with the trowel's flat edge so as to force the mortar into the tiny openings on the ProTEC surface. This ensures a good mechanical bond. Then trowel the mortar with the tool's notched edge.

Note: For more details on the tile systems, special construction conditions and recommended materials and methods, refer to the Tile Council of America Handbook and ANSI Specifications for Installation of Tile Standards.

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35 Year Limited Warranty

Fin Pan, Inc. warrants that this product meets or exceeds applicable manufacturing standards in force at the time of manufacture. Fin Pan will, at its option, repair or replace any product which proves defective due to manufacturing. This warranty shall apply only if the product is used strictly according to applicable specifications, and/or instructions provided by Fin Pan for its use. This warranty does not cover damage due to failure of structural elements of the building to which ProTEC is attached, structural movement of the building or improper maintenance of the building facility. This warranty does not cover acts of God. Fin Pan shall not be liable otherwise.

Replacement of any defective product or, at Fin Pan's option, refund of the purchase price of any defective product shall be the buyer's sole remedy under this warranty. Fin Pan shall in no event, be held liable for any consequential, incidental or special damages. This warranty constitutes the sole warranty given by Fin Pan, Inc. in connection with this product. Fin Pan, Inc. has authorized no person or company to make or give any other warranties or representations on its behalf.

In particular, there are no implied warranties including, without exception, warranties or merchantability or fitness for a particular purpose. This warranty shall only be valid if the product is stored or maintained according to Fin Pan's specifications. No modification of this warranty in favor of any buyer shall be valid unless given in writing and signed by an authorized representative of Fin Pan, Inc. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



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