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CONTACT INFO

ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

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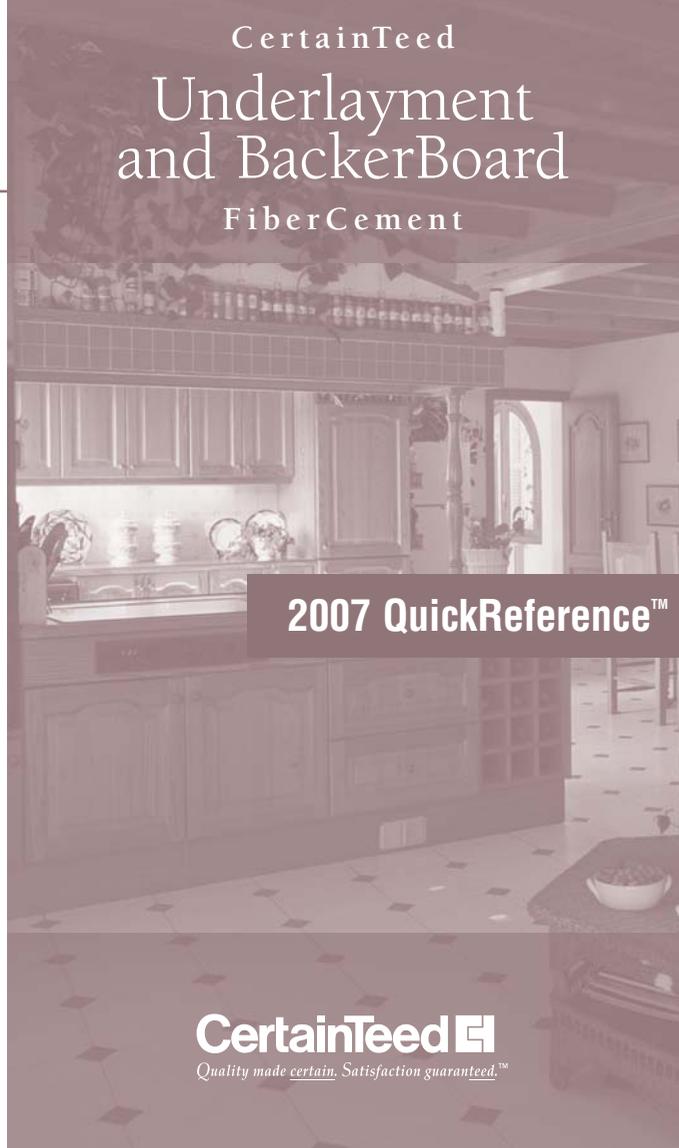
INTERIOR: INSULATION • WALLS • CEILINGS

CertainTeed Corporation
P.O. Box 860
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CertainTeed

CertainTeed Underlayment and BackerBoard FiberCement



2007 QuickReference™

CertainTeed
Quality made certain. Satisfaction guaranteed.™

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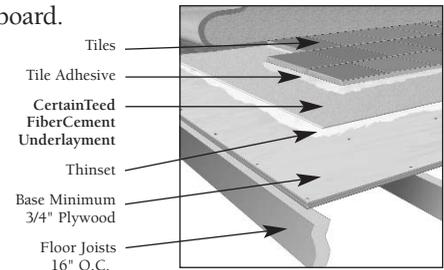
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For complete installation information, see Underlayment and BackerBoard Installation Instructions (FC002).

Product Background

- Subflooring is a structural element, generally unsuitable as a base for ceramic tile. So, underlayment is installed over the subfloor to provide a smooth, water-resistant, durable surface on which finish flooring can be installed. Underlayment also is installed for optimum performance of countertops in conjunction with tile.
- BackerBoard has the same objective as underlayment, but is installed on vertical surfaces, such as for bath and shower walls, that are to be tiled or otherwise covered.
- Moisture can potentially infiltrate the grout line and cause damage to gypsum-based wallboard.



Product Uses

CertainTeed Underlayment & BackerBoard Product Information

Interior applications

Underlayment

Install under ceramic tile for interior floors:

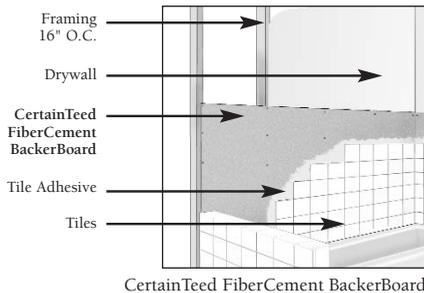
- Kitchens
- Bathrooms
- Foyers
- Mud rooms

Also use under ceramic tile for countertops.

BackerBoard

Install behind ceramic tile for interior walls:

- Kitchens
- Bathrooms



1/4" (nominal) Underlayment

SKU	SIZE	WEIGHT/ SQ.FT.	PIECES/ UNIT
10200/000	3' x 5'	1.8 lbs.	85
10202/000	4' x 4'	1.8 lbs.	85
10203/000	4' x 8'	1.8 lbs.	50

1/2" (nominal) BackerBoard

10201/000	3' x 5'	3.2 lbs.	50
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Product Testing

Complies with ASTM C1288 and
ASTM C1185 Tested to ANSI 118.9

Flame Spread/Smoke Development

ASTM E84 test results:
Flame Spread: 0
Smoke Development: 5

Shear Bond Strength (latex/portland cement)
Greater than 280 psi

Proprietary CertainTeed Manufacturing System

Benefits

Exceptional performance characteristics:

- Denser product for longer “open” time; mortar stays fresher
- Dimensional stability, crucial for achieving flat surfaces
- Tougher product, less likely to fracture on impact and when scoring and snapping
- Smoother surface and edges for easier installation
- No fiber glass mesh to deal with
- Won't flake or crumble when cut
- Factory-applied nailing pattern
- Lighter weight versus competitive mesh boards
- Strongest flexural strength in the industry
- Proprietary patented environmentally-friendly formula

CertainTeed	A leader in building products since 1904, we stand behind these two products
Consistent quality	A more uniform and dimensionally stable product that does not crack or crumble when nailed
Easy installation	Our pre-printed nail pattern makes installation easier
High density	Resists moisture better and won't rot or deteriorate
1/2" nominal thickness BackerBoard	Makes transition to 1/2" drywall easier
High durability	Impervious to wood-boring insects
Class 1(A) Fire Rating	Will not burn
Outstanding warranties	20-year limited warranty with SureStart™ warranty protection

Product Performance Comparison

Feature/Benefit	CertainTeed Underlayment & BackerBoard	OSB or Gypsum	Cement Board
Suitable for high moisture areas	Yes	No	Yes
Built-in moisture resistance	Yes	No	No
Class 1(A) fire rating	Yes	No	No
Lightweight	Yes	Yes	No
20-year warranty	Yes	No	Yes
Non-abrasive to fixtures	Yes	Yes	No
Dimensionally stable	Yes	Yes	Yes
Easy to cut and fasten	Yes	Yes	No
Accepts mortar/mastic	Yes	Yes	Yes
Highest flexural strength for job-site durability	Yes	No	No

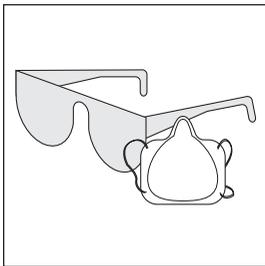
Installation Tips

Storage and handling

- Keep panels clean, dry and protected from the weather
- Store on a smooth, flat surface, not on the ground
- If product becomes wet, allow it to dry before installation

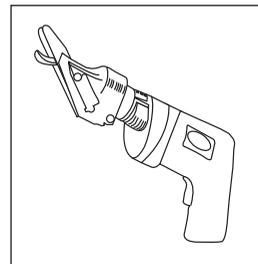
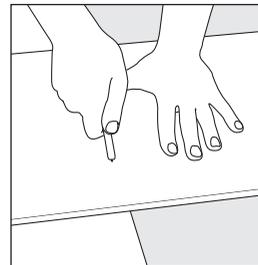
Safety

- Wear safety glasses and mask when cutting with a circular saw; in poorly ventilated areas, wear a NIOSH/MSHA-approved respirator with HEPA cartridge



Cutting

- Score with a carbide-tipped scoring tool and snap upward against a straight edge. For small holes, use a hole saw, or score the perimeter of the opening desired and knock out piece with a hammer
- Use electric or pneumatic shears made for fiber cement siding
- For circular saw cutting, use a wet saw



Installation Tips

Specific Installation

Approved mortars

- Setting backer – Standard dryset or latex/acrylic modified thinset or mastic
- Setting tile – Latex/acrylic modified thinset or mastic

Joint tape

- 2" wide alkali-resistant fiber glass reinforcing tape

Fasteners

- Hot-dipped galvanized roofing or stainless steel nails; length depends on installation (see *Specific Installation*, beginning on page 13)
- Corrosion-resistant screws
- On vertical applications, nails must penetrate 1-1/2" into a framing member
- Fasteners for floor applications must fully penetrate subfloor material

Floors

- Subfloor must be structurally sound, clean, flat and code-compliant
- New construction: use minimum 3/4" plywood over maximum joist spacing of 16" o.c. (Observe local building codes)
- Remodeling: remove floor coverings, replace damaged boards, tighten floor as necessary
- Stagger all joints, length and width
- Leave 1/4" gap at walls and cabinet bases for expansion (do not fill with mortar)
- In wet areas, protect framing with a moisture barrier
- Keep fasteners 3/8" from panel edges and 2" in from corners
- Can be installed over vinyl composite tile (VCT) that is in good condition

Specific Installation

Countertops

- Cabinets must be level and secured
- Minimum of 1/2" plywood securely fastened across cabinet over 16" o.c. supports
- Use single sheet across cabinet span
- Do not align joints with plywood
- Ends and edges should be supported by frame
- Around sink, protect framing with a moisture barrier
- Apply 3/32" thick dryset to substrate and seat board evenly
- Leave 1/8" gap between board edges
- Nail with 1" hot-dipped galvanized roofing nails, 8" o.c.
- Keep fasteners 3/8" from panel edges and 2" in from corners

Walls

- Ensure that framing is sound and code-compliant; wall should be plumb
- Studs must be straight and spaced 16" o.c.; corners for tubs and showers must be braced
- In wet areas, protect framing with a moisture barrier
- Panel edges must have full perimeter edge support on framing members
- Nail to framing with 1-1/2" hot-dipped galvanized or stainless steel roofing nails
- Leave 1/8" gap between horizontal and vertical board edges
- Use score and snap methods where pop-outs needed
- Keep fasteners 3/8" from panel edges and 2" in from corners

Finishing with Tile

Joint preparation

- With the same mortar used to set the tile, fill joints except where corners meet: floor/wall, wall/ceiling, inside/outside corners
- Bed the fiber glass tape into the wet mortar and level
- Ceramic tile should meet ANSI A137.1 strength standards

Tile setting

- Wipe/mop surface with wet cloth to remove dirt and dust
- Use acrylic-modified thinset for setting tile
- Follow mortar and tile manufacturers' installation instructions
- Spread mortar with notched trowel in one direction
- Place, twist and press tiles into wet mortar

Grouting

- Allow a minimum of 24 hours before grouting or walking on tiles

Selling up to CertainTeed Underlayment and BackerBoard

Isn't CertainTeed Underlayment too dense to cut easily?

It can be easily “scored and snapped” or cut with a mechanical shear. The density of CertainTeed FiberCement makes it far more durable and moisture-resistant than many other products sold as underlayment. Plywood and particleboard underlayments all absorb moisture, requiring moisture-proofing when used in high-moisture areas such as baths and kitchens.

What is the advantage of square edges versus tapered edges?

The main purpose of underlayment and backerboards is to provide an even surface for the installation of ceramic tile and other coverings. If tile, for example, is to be applied atop underlayment, tapered edges may eventually cause the tile to sag along underlayment joints and at corners.

Will CertainTeed FiberCement underlayment cause damage to bath or kitchen fixtures?

No. Though we don't recommend placing these products on a sink or bathtub during installation, these products will not scratch or otherwise abrade ceramic, plastic or porcelain surfaces.

Isn't this product much heavier than competitive underlayment?

It is heavier than some, but it is heavier because it is denser. Because it is dense, it will not absorb mastic or latex-modified thinset as quickly as competitive products. That means more “open time” between applying the adhesive and setting tile. It also means the applicator can apply adhesive to larger areas before setting tile.

Why do I have to tape the joints?

Taping the joints will help disperse the movement of the substrate and avoid popping or cracking of tile along the seams.