

# TRITON® WATERPROOF BACKER BOARD



- Factory applied waterproof and vapor barrier membrane
- High-strength cement technology
- Easy to score and snap, fasten, and install

## DESCRIPTION

Manufactured using our patented magnesium cement technology, the TRITON® Waterproof Backer Board is the industry’s most advanced cement tile backer and underlayment, with a watertight seal. TRITON Waterproof Backer Board is also resistant to aqueous and chemical solutions, salts, alkalis, alcohols, oils and organic solvents.

## PRODUCT DATA

### PACKAGING

Available in the following sizes:

| SIZE<br>(THICKNESS X WIDTH X LENGTH) | UNIT<br>(PCS) |
|--------------------------------------|---------------|
| 1/2" x 3' x 5'                       | 70            |

4' x 8', 9', 10' also available

### STANDARDS

TRITON Waterproof Backer Board is certified by ICC Evaluation Service to comply with ANSI 118.102008, American National Standard Specification for Load Bearing, Bond, Waterproof Membranes for Thin-set Ceramic Tile and Dimensional Stone Installation and ICC-ES AC115 (R2013), Acceptance Criteria for Waterproof Membranes for Flooring and Shower Lining. See ICC-ES Report PMG-1115.

### STORAGE

Deliver and store products in manufacturer’s original, unopened packaging until ready for installation. Store TRITON Waterproof Backer Board in a manner and location to protect from weather, direct sunlight, surface contamination, and construction traffic. TRITON Waterproof Backer Board panels must be stored flat. Handle materials to avoid damage to edges and surfaces.

### ENVIRONMENTAL CONDITIONS

Do not expose TRITON Waterproof Backer Board panels to sustained temperatures in excess of 125°F (51°C).



## APPLICATIONS

During installation of TRITON Waterproof Backer Board and tile, maintain temperatures within the structure between 40°F to 100°F (37°C to 100°C ). Provide adequate ventilation to manage moisture.

Moisture content of wood framing shall approximate the expected service conditions by allowing the space to be conditioned as long as possible prior to installation of the TRITON Waterproof Backer Board panels.

## LIMITATIONS

1. Do not expose to sustained temperatures of 125°F ( 51°C) or higher.
2. Corrosion resistant tile backer screws are recommended for both wood and steel framing and nail heads. Use of drywall screws and/or nails is not recommended.
3. Seams must be sealed with waterproof tape.
4. Must be installed in compliance with appropriate ANSI and industry standards and TCNA recommendations. See Installation for details.
5. May not be compatible with certain glass tiles and/ or may require special materials.
6. Do not install with Type 1 organic adhesive.
7. For use with A118.1 or .4 thin sets only.
8. Prior to setting tile, wait 24 hours minimum before water testing to allow for final set of mortar and ensure waterproof performance at seams and connections.
9. DO NOT bond to particle board, Luan, OSB, interior glue plywood, Masonite® or hardwood surfaces.
10. Do not use as a primary roofing membrane over occupied space.
11. Do not use over dynamic expansion joints, structural cracks or cracks with vertical differential movement.
12. Do not use over cracks >1/8" (3mm) in width.
13. Do not expose to negative hydrostatic pressure, rubber solvents or ketones.
14. Must be covered with ceramic tile, stone, brick, screeds, terrazzo or other traffic-bearing finish. Use protection board for temporary cover.
15. Use care not to damage prior to installation of tile or stone finishes. Cover with protection board to protect from foot traffic and other trades when installing on horizontal surfaces.
16. Protect finished work from traffic until fully cured.
17. Not for use beneath cement or other plaster finishes. Consult with plaster manufacturer for their recommendations when waterproofing membrane is required under plaster finishes.
18. Note surfaces must be structurally sound, stable and rigid enough to support ceramic / stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile / brick installations or L/480 for thin bed stone installations where L= span length.

## INSTALLATION

### 1. Ensure Framing is Structurally Sound and Properly Aligned

- Wall must comply with local building code and ANSI A108.11
- Use a minimum of 2"x4" wood studs or 20-gauge metal studs at maximum 16" o.c.

### 2. Determine Layout

- TRITON® Waterproof Backer Board edges parallel to framing must be structurally supported
- Cut TRITON Waterproof Backer Board to size, make needed cutouts and holes

### 3. Attach Triton Waterproof Backer Board to Framing Members

- Use proper nails or screws at maximum 8" o.c.
- Keep fasteners 3/8" from edges & 2" from corners
- Attach backer to structural members, maintaining 1/8" gap between sheets (to be filled with mortar), and 1/4" gap between backer and floor/tub/shower pan (to be caulked appropriately)
- Set fasteners flush with TRITON Waterproof Backer Board

### 4. Treat Fastener Penetrations

- Suggested method: Adhere Triton Seam Tape with mortar centered over penetrations, ensuring a minimum of 2" radius from penetration
- Alternate method: Cover each penetration with Triton Watertight Adhesive.

### 5. Treat Seams and Plumbing Penetrations

- Apply mortar to seams and embed waterproof tape
- Use of all appropriate Triton Watertight System accessories is required - Seam Tape, Inside Corners, Outside Corners, Pipe Collars, Mixing Valve Flanges, Niches, Benches, and Curbs. Only Triton Watertight System accessories may be used

Note: Water testing of the assembly prior to setting tile, wait 24 hours to allow for the final set of the mortar before testing to ensure waterproof performance of the assembly at seams and connections.

Must be installed in compliance with appropriate ANSI and industry standards and TCNA recommendations.



## TECHNICAL DATA

| TRITON® WATERPROOF BACKER BOARD |                     |                           |                                |
|---------------------------------|---------------------|---------------------------|--------------------------------|
| PROPERTY                        | UNIT OF MEASURE     | TEST METHOD               | TRITON WATERPROOF BACKER BOARD |
| Flexural Strength               | psi                 | C1185                     | >1000                          |
| Moisture Transmission Rate      |                     | ASTM E96                  | <0.075                         |
| Shear Strength                  | psi                 | ANSI A 118.10 / ASTM C482 | >50                            |
| Weight                          | lbs/ft <sup>2</sup> | C 1185                    | 1.85                           |
| Mold Resistance                 |                     | G 21                      | 0 No Growth                    |

## WARRANTY AND MATERIALS

Products and systems provided by Triton MgO Products are warranted to be free from defects in material and workmanship. Visit [triton-mgo.com](http://triton-mgo.com) for complete warranty details.

## SUBMITTAL APPROVAL

|             |       |
|-------------|-------|
| JOB NAME:   |       |
| CONTRACTOR: | DATE: |



## LEGAL

### PRODUCT INFORMATION

See [triton-mgo.com](http://triton-mgo.com) for the most up-to-date product information.

### WARNING

Avoid breathing dust. PROLONGED EXPOSURE TO DUST MAY CAUSE LONG TERM LUNG DAMAGE. This product contains very low levels of materials suspected to cause cancer. These materials are at such low levels in this product that there is no expected danger, however minimizing exposure to dust will eliminate any potential and is a good practice when cutting any construction material. Wear protective gloves/protective clothing/eye protection. If swallowed, inhaled, or skin irritation occurs get medical attention. Dispose of in accordance with local, state, and federal regulations. For more information visit [triton-mgo.com](http://triton-mgo.com).

**ROUTE (S) OF ENTRY:** Skin (None), Eyes (Dust and Chip Form), Inhalation (Dust and Chip Form), Digestion (Dust and Chip Form)

### HEALTH HAZARDS (Acute and Chronic):

Eyes (Dust and Chip Form—Irritation Hazard)  
Inhalation (Dust and Chip Form—Irritation Hazard)  
Skin (Fiberglass may cause itching irritation)  
Ingestion (No known Hazard)

**CARCINOGENICITY:** No Known Toxicity Effects (Skin, Eyes, Inhalation, Ingestion) Signs and Symptoms of Exposure: Skin (None), Eyes (Irritation), Inhalation (Coughing), Ingestion (None) **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Asthma (Inhalation Exposure of Dust Form and Combustion Products) (Avoid Inhalation)

### TRADEMARKS

The trademark TRITON®, the design elements and colors, and related marks are trademarks of Triton MgO Products.

## LEGAL (CONT.)

### NOTE

Products described here may not be available in all geographic markets. Consult your Triton MgO Products representative for information.

### NOTICE

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered. See full warranty at [triton-mgo.com](http://triton-mgo.com).

### SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

## INDUSTRY ORGANIZATIONS



## COMPANY INFORMATION



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