

PRODUCT DATA SHEET

TRITON[®] BOARD



- **Higher-Performance:** High strength cement technology with no peeling, swelling or delaminating.
- **Fire Resistance:** Magnesium Oxide cement provides excellent fire protection.
- **People & Planet Safe:** Free of crystalline silica, VOCs, and harsh chemicals.

DESCRIPTION

Manufactured using our patented magnesium cement technology, Triton Board is the industry's most advanced MgO board. Triton Board combines excellent strength properties with resistance to fire, water, mold, and insects. Available in a variety of thicknesses and lengths, Triton board is a versatile part of a wide range of building assemblies.

PRODUCT DATA

DIMENSIONS

Contact your Triton MgO representative for additional sizes.

STANDARDS

- ASTM E84 Flame spread and smoke developed (Class A)
- ASTM E119 Fire-rated wall assemblies
- ASTM G21 Mold resistance
- ASTM C1185 Physical properties

STORAGE

Deliver and store products in manufacturer's original, unopened packaging until ready for installation. Store materials in a manner and location to protect from weather, direct sunlight, surface contamination, and construction traffic. Triton Boards must be stored flat. While handling materials, carry the board vertical by their sides, avoid damage to edges and surfaces.

ENVIRONMENTAL CONDITIONS

Do not expose Triton Boards to sustained temperatures of 125°F (51°C) or higher.

BOARD SIZE (THICKNESS X WIDTH X LENGTH)	UNIT (PCS)
1/2" x 4' x 8'	35
1/2" x 4' x 9'	35
1/2" x 4' x 10'	30

- Also available in 1/4" and 3/4" thickness.
- Square edge. Other edge profiles available by request.

APPLICATIONS

Do not install Triton board while the material is wet.

Moisture content of wood framing shall approximate the expected service conditions prior to installation of the Triton boards.

For exterior applications, air temperature and temperature of all materials to be installed or applied must be at least 40°F (4°C) and remain at 40°F (4°C) or warmer for at least 24 hours after installation or application. Do not apply any surface treatment to frozen or wet Triton Board. Protect all surface treatments from rain or significant moisture for at least 24 hours following application. During hot and dry weather, a light moistening of Triton Board and/or surface treatments may be necessary to prevent rapid curing of surface treatments and to maintain their workability.

LIMITATIONS

1. Triton Board is not a waterproof barrier.
2. For interior applications where waterproofing is required, use the Triton Watertight System.
3. In exterior applications, Triton Board should be enclosed within a code-approved WRB.
4. Do not use in areas subject to prolonged exposure to water. Do not expose panels to sustained temperatures in excess of 125°F (51°C).
5. ANSI 108.11 compliant fasteners are recommended for both wood and steel framing. Use of drywall screws and/or nails is not recommended.
6. Do not use drywall tape or drywall joint compound.
7. Do not install with any “four corner” joints.
8. Stagger all board joints. Do not align with subfloor joints.
9. Must be installed in compliance with appropriate ANSI and industry standards and TCNA recommendations. See Installation Instructions for details.
10. Set fasteners heads flush with the surface, without overdriving.
11. Wall applications: Maximum stud spacing: 16” o.c. (24” o.c. for cavity shaft wall assembly). Framing shall be designed (based on stud properties alone) not to exceed L/360 deflection for tile and thin brick, L/240 for direct—applied exterior finish systems.
12. Maximum fastener spacing:
 - 8” for wood and steel framing.
 - 6” for ceiling applications.
13. Do not use 1/4” for wall or ceiling applications.
14. Steel framing must be 20—gauge equivalent or heavier.
15. Triton Board should not be left uncovered for a period of time exceeding 30 days.

TECHNICAL DATA

TRITON BOARD		
PROPERTY	TEST METHOD	1/2" (12mm)
Thickness	ASTM C 1185	.45 in.
Density (Specific Gravity)	ASTM C 1185	0.95
Weight	ASTM C 1185	2.3 lbs/ft ² *
Flexural Strength	ASTM C 1185	>1000 psi
Mold Resistance	ASTM G 21	0
Surface Burning Characteristics	ASTM E 84	0/0

* For lower density board, see TritonBDLT.

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 for complete warranty details.

SUBMITTAL APPROVAL

JOB NAME:	
CONTRACTOR:	DATE:

LEGAL

PRODUCT INFORMATION

See 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

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

LEGAL (continued)

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.

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.

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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