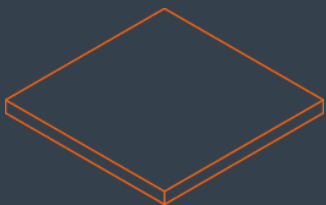


TechBoardTG™
Tongue & Groove
Subfloor
Product Sheet



ZS² TechBoardTG™

TechBoardTG is a magnesium based tongue and groove cement board designed for subfloor sheathing. Leveraging ZS2's core material science technology, TechBoardTG is fire, water, pest, and mold resistant while being environmentally responsible choice without compromising strength or performance.

Physical Properties

Width & Tolerance	48 in. (1219mm) +/- 1/32 in. (1 mm)
Length & Tolerance	96 in. (2438mm) +/- 1/16 in. (2 mm)
Thickness & Tolerance	3/4 in. (19mm) +/- 1/16-in. (2 mm)
Weight	4 lbs/sf
Edge Profile	Tongue & Groove
Flame Spread Characteristics	0 Flame Spread
Water Vapor Permeable	Average water vapor permeance rating 125.02ng/Pa*s*m Permeance rating 2.2. US Perms
Water Absorption	37.8%
Mold Resistance	0 Mold Growth Observed
Thermal Conductivity	0.186 WM ⁻¹ K ⁻¹



**Fire
Resistant**



**Climate
Resilient**



**Carbon
Reduction**



**Water
Resistant**



Economical



**Speed & Ease
of Install**



**Bacteria
Resistant**



ZS² TechBoardTG™

1 . PRODUCT NAME

TechBoardTG™

2. MANUFACTURER

ZS2 Technologies
9128 52nd Street SE
Calgary, AB T2C 5A9

587.208.4972
zs2technologies.com
info@zs2technologies.com

3. PRODUCT DESCRIPTION

TechBoardTG is a proprietary, magnesium cement Board designed for use as subfloor sheathing.

4. USES

- i. Subfloor Sheathing
- ii. Shower Floor Substrate
- iii. Suitable for direct tiling, self-leveler top coat, and thinset mortar

5. ADVANTAGES

- Structural Sheathing Subfloor
- Water Resistant
- Mold Resistant
- Corrosion Resistant
- Near Zero Chlorides
- Dimensional Stability

6. STANDARD DIMENSIONS

- 4 ft. x 8 ft. x 3/4 in.

7. TESTING STANDARDS

TechBoardTG™ has been tested for Density, Surface Burning, Flexural Strength, Durability, Silica, Asbestos, Formaldehyde, Water Absorption, Fastener Pull, Freeze Thaw Resistance, Corrosion Resistance, Mold Resistance, Limited Non-Combustibility, Chloride Content, Humidity Deflection, Expansion (Dry to Wet), Manufacturing Tolerance

ZS2 technologies has completed significant third party testing to confirm and prove the ability of our board. Testing evidence is available upon request.

8. INSTALLATION

Installation best practices have been produced by ZS2 technologies for all special construction area requirements and can be found at www.zs2technologies.com.

9. FASTENERS

Due to the sulfate presence in the MgO board, the use of corrosive resistant fasteners is recommended. ZS2 technologies can provide guidance on specific project requirements

**HAVE A PROJECT IN
MIND? GET IN
TOUCH.**

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**MANUFACTURED IN
NORTH AMERICA**

Through prefabricated construction technologies, combined with advances in material science, it's time to improve safety, close the productivity gap, increase building performance, and build for the future.