

## Available Sizes

Nominal Product Thickness	Edge Profile	Standard Sizes	Weight Per Board*	R-Value per inch
1/4"	Square	4' x 8' (1219 mm x 2438 mm)	40 lbs	1
1/2"	Square	4' x 8' (1219 mm x 2438 mm)	80 lbs	1
1/2"	Square	4' x 9' (1219 mm x 2750 mm)	90 lbs	1
1/2"	Square	4' x 10' (1219 mm x 3050 mm)	100 lbs	1
3/4"	Tongue & Groove	4' x 8' (1219 mm x 2438 mm)	150 lbs	1

\*Average board weight may vary

## Edge Profiles



Square Edge Profile

Best for:

- Wall sheathing
- Backing board



Tongue & Groove Edge Profile

Best for:

- Subfloor
- Underlays



CERUS-1009

Meets Requirements

## Most Commonly Specified



**48" x 96" x 1/2"**  
1219 mm x 2438 mm x 12.7 mm



**48" x 108" x 1/2"**  
1219 mm x 2743 mm x 12.7 mm



**48" x 120" x 1/2"**  
1219 mm x 3048 mm x 12.7 mm

## Have a project in mind? Get in touch.

ZS2's building materials are available across North America. We have regional TechPartners and construction experts ready to support and help you **cement** the details.

[info@ZS2technologies.com](mailto:info@ZS2technologies.com) | [zs2technologies.com](http://zs2technologies.com)

## Physical Properties

Property	Method	Value	MAX Supporting Spacing	Edge / Field Spacing	Code Evaluation Report
Flame Spread / Smoke Development Index (TechBoard™)	ASTM E84	0 / 0			<a href="#">CERUS-1009</a>
	CAN/ULC S102	0 / 7			
Fire Resistance (TechBoard™)	NFPA 286	PASS			<a href="#">CERUS-1009</a>
	ASTM E119	1hr & 2hr			
	CAN/ULC S101				
Mold & Mildew (TechBoard™)	CAN/ULC S135	PASS			<a href="#">CERUS-1009</a>
	ASTM C1138	PASS			
	ASTM C1138	PASS			
Vapour Permeance (TechBoard™ 1/2")	ASTM E96 (Procedure A)	2.2 US Perms (125.02 ng/Pa·s·m²)	10 ft	2.5" ring shank nail @ 3" o.c / 12" o.c	
Transverse (TechBoard™)	ASTM E72	45 psf	24'	Staples @ 3" o.c	
	ASTM E72	57 psf	24'	#8 screw @ 6" o.c	
Racking (TechBoard™)	ASTM E72	162 psf	16'	Staples @ 3" o.c	
	ASTM E72	178 psf	16'	#8 screw @ 6" o.c	

\*The links embedded under the *Code Evaluation Report* column will redirect to their respective published reports.

## Testing Standards

- **CAN/ULC-S101** - Standard Test Methods for Fire Tests of Building Construction and Materials.
- **ASTM E119** - Fire Endurance Tests of Building Construction and Materials.
- **CAN/ULC S102** - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.
- **ASTM E84** - Standard Test Method for Surface Burning Characteristics of Building Materials.
- **CAN/ULC S135** - Standard Test Method for the Determination of Combustibility Parameters of Building Materials Using an Oxygen Consumption Calorimeter (Cone Calorimeter).
- **NFPA 286** - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth.
- **ASTM E96** - Standard Test Methods for Water Vapor Transmission of Materials.
- **ASTM E72** - Standard Test Methods of Conducting Strength Tests of Panels for Building Construction.
- **ASTM G21** - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

## Handling & Use

All materials should be delivered and stored in their original unopened package and stored in an enclosed shelter providing protection from damage and exposure to the elements.

Please refer to ZS2 Install Drawings, Specifications and Instructions for installation of your individual project.

Visit [zs2technologies.com/construction-solutions/techboard/technical-documents](http://zs2technologies.com/construction-solutions/techboard/technical-documents) or contact a ZS2 representative for more details.

## Fastening

Mechanical fastener: Cement board screws, stainless steel staples, stainless-steel wood screws, or coated wood screws with a minimum salt spray coating of 1000 should be used. Proper spacing and installation methods should be followed to avoid damaging the sheathing.

## Finishing

All interior and exterior finishes must be approved by the local building authority with jurisdiction. ZS2 defers to traditional finishing methods, ensuring that all internal and external finishes comply with local building codes. Standard industry practices should be followed, integrating appropriate supplementary materials as required by conventional construction methods and specific project needs. Refer to project architect, or envelop engineer for specifications of exterior finishes.

## Warranty

10 Year Limited – Prorated – Nontransferable Warranty.

Visit [www.zs2technologies.com/warranty](http://www.zs2technologies.com/warranty) or contact a ZS2 representative for details.

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