

PermaBASE[®] PLUS[®] CEMENT BOARD



The Lighter Cement Board Alternative

National 
Gypsum[®]

Exclusive service provider of
PermaBASE Building Products, LLC



PermaBASE
PLUS
CEMENT BOARD

1. Fiberglass Mesh/Mat
2. EdgeTech® Reinforced Edge
3. Cementitious Core
4. Fiberglass Mesh

PermaBASE PLUS® Cement Board has the same qualities built into PermaBASE® Cement Board but weighs 15% less. When you need to lighten your load, consider PermaBASE PLUS for both interior and exterior applications.

Features/Benefits:

- Moisture & mold resistant
- EdgeTech® Reinforced Edge
- Easier cut & faster install
- Smoother surface/stronger bond
- True 1/2" thickness
- Lighter weight

- **Lightweight and easy to cut** - speeding up installation.
- **EdgeTech® Reinforced Edge** allows for closer fastener application of nails or screws at the edge without crumbling or spinout.
- **Stays intact when exposed to water.** Will not rot, disintegrate or swell - built for the long run.
- **Achieves the industry's lowest water-absorption rating** (ASTM C473) offering better installation.
- **Helps inhibit mold growth** with the highest possible score on mold tests (ASTM D3273 and ASTM G21).
- **Resists impact** and remains dimensionally stable, extending the life of your project.
- **Meets UL classifications** for one- and two-hour fire-rated assemblies.
- **Can be cut using a standard utility knife.**
- **Qualifies as a low-VOC emitting material** by meeting California Specification 01350. For more information: calrecycle.ca.gov/greenbuilding/specs/section01350.
- **Achieves GREENGUARD Gold Certification.** GREENGUARD certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage.



TECHNICAL DATA

Property	Method	Results
Thickness, Nominal	ASTM C473	1/2" (12.7 mm)
Weight, Nominal		2.5 lbs./sq. ft.
Flexural Strength	ASTM C947	≥ 750 psi
Fastener Holding (Wet and Dry)	ASTM D1037	≥ 90 lbs.
Freeze/Thaw Cycles	ASTM C666	> 100
Compressive Strength	ASTM D2394	1250 psi
Bending Radius		5' (1,524 mm)
Thermal Resistance	ASTM C518	R = .37, K = 2.7
Permeance	ASTM E96	> 10 perms
Water Absorption (% of Weight)	ASTM C473	< 8%
Falling Ball Impact (12' drop)	ASTM D1037	Pass
Linear Expansion with Change Moisture	ASTM D1037	≤ 0.07%
Mold Resistance	ASTM D3273	Score of 10
Mold Resistance	ASTM G21	Score of 0
Shear Bond Strength 7 Days (psi)		
Dry-Set Portland Cement Mortar	ANSI A118.1	Pass
Latex-Portland Cement Mortar	ANSI A118.4	Pass
Organic Adhesives Type 1	ANSI A136.1	Pass
Product Standard Compliance	ASTM C1325	

Fire-Resistance Characteristics

Core Type	N/A
UL Type Designation	PermaBase PLUS
Surface Burning Characteristics	Class A
Flame Spread	0
Smoke Development	0

SIZE AND PACKAGING

Thickness, Width And Length	Pieces per Unit
1/2" x 36" x 5' (12.7 mm x 914 mm x 1,524 mm)	50
1/2" x 48" x 8' (12.7 mm x 1,219 mm x 2,438 mm)	40*

*Limited geographic availability.

TECHNICAL INFORMATION

Visit permabase.com or call National Gypsum Company Construction Services: 1-800-NATIONAL (628-4662).

Technical Information Información Técnica

1-800-NATIONAL®
1-800-628-4662

National Gypsum Company is the exclusive service provider for products manufactured by PermaBASE Building Products, LLC.

PermaBASE Plus® Cement Board is manufactured by PermaBASE Building Products, LLC.

PermaBASE®
Building Products

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