

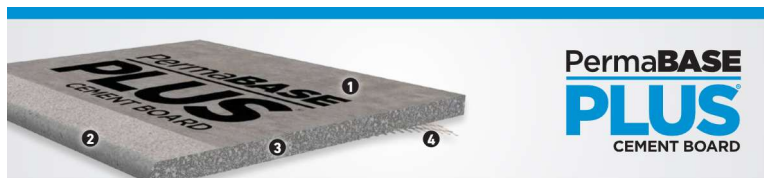
Perma**BASE**  
**PLUS**<sup>®</sup>  
CEMENT BOARD



**The Lighter Cement  
Board Alternative**

**National**   
**Gypsum**<sup>®</sup>

Exclusive service provider of  
PermaBASE Building Products, LLC



- |                              |                      |
|------------------------------|----------------------|
| 1. Fiberglass Mesh/Mat       | 3. Cementitious Core |
| 2. EdgeTech® Reinforced Edge | 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](http://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](http://permabase.com) or call National Gypsum Company Construction Services: 1-800-NATIONAL (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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