

PermaBASE® Technical Data Sheet

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DESCRIPTION

PermaBASE® Cement Board is a lightweight substrate made of Portland cement, aggregate and glass mesh that provides a durable surface that is able to withstand prolonged exposure to moisture.

BASIC USES

Applications

Interior: PermaBASE® Cement Board is a superior underlayment for many interior applications, including bathroom shower and tub enclosures, floors, countertops and backsplashes, saunas and steamrooms, and accent areas.

Exterior: PermaBASE Cement Board provides an excellent substrate for many exterior applications, including Cement Board Masonry Veneer Wall System (CBMV) and Cement Board Stucco System (CBSS).

Consult PermaBASE Construction Guide for detailed installation instructions.

PHYSICAL PROPERTIES

Nominal Thickness inch(mm)	ASTM C473	1/2 (12.7)	5/8 (15.9)
Weight Lbs./Sq.Ft. (kg/m ²)	ASTM C473	2.9 (14.2)	3.65 (17.8)
Flexural Strength (psi)	ASTM C1325	>750	>750
Fastener Pull Through Resistance (lb)	ASTM C473	>90	>90
Freeze/Thaw (cycles)	ASTM C666, Proc B	100	100
Flame Spread/Smoke Developed	CAN/ULC S102	0/0	0/0
Wind Load (psf)	ASTM E330	30	30
Thermal Resistance (R value) (hr-ft ² ·°F/BTU)	ASTM C518	0.37	0.47
Thermal Expansion Coefficient (x10E-6/in/in/°F)	property of material	5.7	5.7
Bending Radius (ft)	N/A	5	5
Moisture Movement (%)	ASTM C 1325	0.05	0.05
Shear Bond Strength (psi)	ASTM C 1325	>50	>50
Fungus Resistance	ASTM G21	no growth	no growth
Mold Growth resistance	ASTM D3273	10 (best possible score)	10 (best possible score)

SIZES AND PACKAGING

Thickness, width and Length	# of Pcs. per Unit
1/4" x 48" x 4' (6.4 mm x 1219 mm x 1219 mm)	60
3/8" x 48" x 8' (9.5 mm x 1219 mm x 2438 mm)	40
1/2" x 32" x 5' (12.7 mm x 813 mm x 1524 mm)	50
1/2" x 36" x 5' (12.7 mm x 914 mm x 1524 mm)	50
1/2" x 48" x 8' (12.7 mm x 1219 mm x 2438 mm)	30
5/8" x 36" x 5' (15.9 mm x 914 mm x 1524 mm)	40
5/8" x 48" x 8' (15.9 mm x 1219 mm x 2438 mm)	24
3/4" x 48" x 8' (19.0 mm x 1219 mm x 2438 mm)	20

National Gypsum

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

Advantages

- EdgeTech® Reinforced Edge allows for closer fastener application of nails or screws at the edge without crumbling.
- Can be cut using a standard utility knife
- Is impact resistant, extremely durable and dimensionally stable.
- Easier to cut and faster to install.
- Meets ASTM C1325.
- Is highly moisture resistant, and will not rot, disintegrate or swell when exposed to water.
- Boards 1/2" thick and more can be used in 1-hour or 2-hours ULC fire rated assemblies.

FOR MORE INFORMATION

Architectural Specifications

Architectural specifications are downloadable as editable Microsoft® Word documents at: unifix.ca

Latest Technical Information and Update

Visit unifix.ca or call 1-800-461-0955

This technical data sheet is for use in the Canadian market

**Perma
BASE**
CEMENT BOARD

Unifix
Affiliate of
National Gypsum Company