

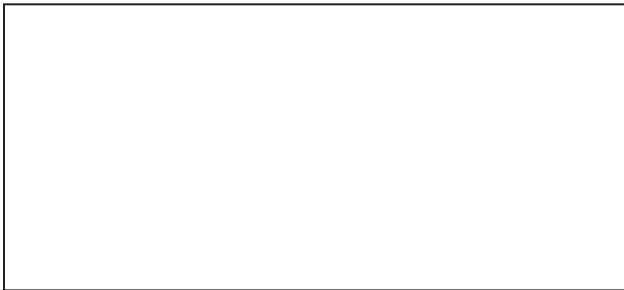
# PermaBASE<sup>®</sup> BRAND FLEX<sup>®</sup> Cement Board

## Important Things to Know

- Professional's choice for walls, showers, floors, countertops, exterior thin brick, stone and tile.
- Fastening close to the edge is a breeze thanks to the patented reinforced edge.
- Cuts easily with a standard utility knife.
- Approved for interior and exterior applications.
- PermaBase Flex carries a Lifetime Limited Warranty for interior applications and a 15-year Limited Warranty for exterior applications.
- Code approved for wet area installations per ASTM C 1325.
- **Mold resistant** with lowest water absorption and best tile bond.



Available from:



### Corporate Headquarters

National Gypsum Company  
2001 Rexford Road  
Charlotte, NC 28211  
Phone: (704) 365-7300  
Web: [nationalgypsum.com](http://nationalgypsum.com)  
[nationalgypsum.com/espanol](http://nationalgypsum.com/espanol)  
[permabase.com](http://permabase.com)

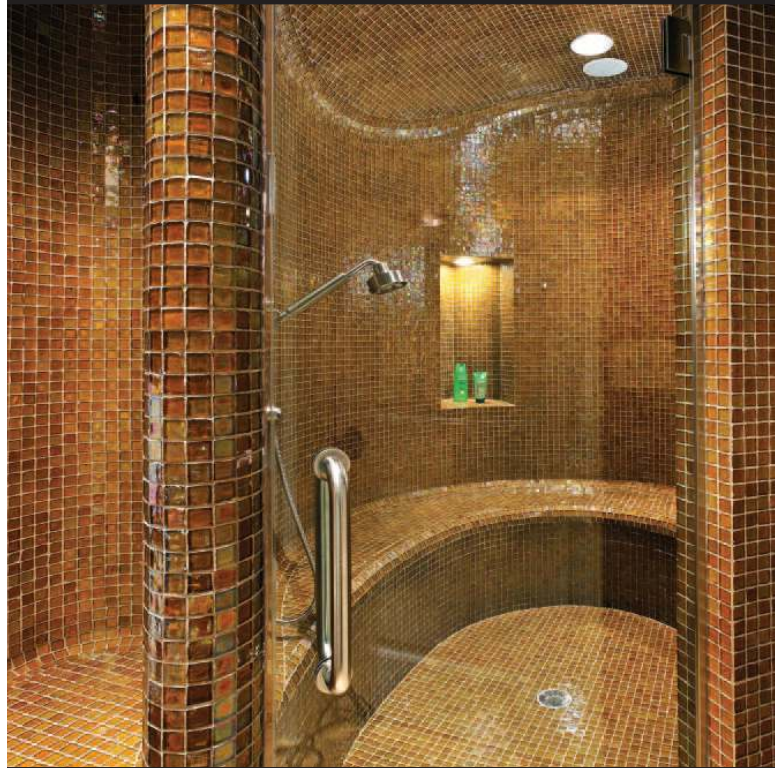
### Technical Information

Phone: (800) NATIONAL  
(800) 628-4662  
Fax: (800) FAX-NGC1  
(800) 329-6421

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

111190 Rev. 8/14

# PermaBase<sup>®</sup> BRAND Flex<sup>®</sup> Cement Board



PermaBASE<sup>®</sup>  
BRAND  
**FLEX**<sup>®</sup>  
Cement Board

**Great at  
Handling  
Curves!**

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

# PermaBase BRAND Flex<sup>®</sup> Cement Board

## Description

PermaBase BRAND Flex<sup>®</sup> Cement Board is a polymer-modified cement board reinforced with an alkali-resistant fiber mesh. It is ideal for use around beams, columns, arches, archways, curved walls, ceilings and anywhere an evenly curved surface is required.

## Applications

- Radius wall construction
- Exterior and interior columns
- Barrel ceilings
- Radius shower walls
- Radius tub step-ups
- Radius archways
- Radius stair construction
- Saunas and steamrooms

## Features/Benefits

- 6" (150 mm) minimum radius for 90° corners.
- The only 1/2" lightweight cement board that bends.
- Can be bent without water saturation or kerf cuts.
- Easy installation, reduces labor costs.
- Easy to cut and fasten with screws.

- Impact resistant.
- Creates uniform curved surfaces.
- Low water absorption, unaffected by water or moisture.
- Dimensionally stable.
- Can be used for interior/ exterior applications such as thin veneer stone and/or cement board stucco.

## Limitations

PermaBase Flex has the same limitations as PermaBase with the following additions:

- For convex surfaces, PermaBase Flex must be applied with the rough surface and tapered edges exposed.
- For concave surfaces, PermaBase Flex must be applied with the smooth surface exposed.
- PermaBase Flex Cement Board should not be used for fire-rated assemblies.
- Maximum framing spacing should not exceed 8" o.c. Maximum fastener spacing should not exceed 8" o.c. for wall and 6" o.c. for ceiling applications.

## Sizes/Packaging

Thickness: 1/2" (12.7 mm)

Sizes: 3' (914 mm) x 6' (1829 mm)  
25 boards per unit

4' (1219 mm) x 8' (2438 mm)  
30 boards per unit

## Interior Installation



## Exterior Installation



## Technical Data

PHYSICAL PROPERTIES		
Property	Test Method	PermaBase Flex
Compressive Strength (psi) (Indentation)	ASTM D 2394	1022
Weight (psf)	ASTM C 473	3.0 (14.6 kg/m)
Water Absorption (%) by Weight/24 Hours	ASTM C 473	Less than 8
Falling Ball Impact (12" drop)	ASTM D 1037	Pass