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
nationalgypsum.com/espanol
permabase.com

Technical Information
Phone: (800) NATIONAL
(800) 628-4662
Fax: (800) FAX-NGC1
(800) 329-6421
**Description**
PermaBase brand Flex® 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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>PermaBase Flex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength (psi)</td>
<td>ASTM D 2394</td>
<td>1022</td>
</tr>
<tr>
<td>Compressive Strength (psi)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Indentation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight (psf)</td>
<td>ASTM C 473</td>
<td>3.0 (14.6 kg/m)</td>
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<tr>
<td>Water Absorption (%)</td>
<td>ASTM C 473</td>
<td>Less than 8</td>
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<tr>
<td>per Weight/24 Hours</td>
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<td></td>
</tr>
<tr>
<td>Falling Ball Impact (12” drop)</td>
<td>ASTM D 1037</td>
<td>Pass</td>
</tr>
</tbody>
</table>
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