



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 303-06-M

Manufacturer: National Gypsum Company
2001 Rexford Rd
Charlotte, NC 28211
704-551-5807

Trade Name(s): PermaBase®, EdgeTech®, PermaBase Flex®

Product: National Gypsum Company PermaBase® BRAND
Cement Board Products:
PermaBase® BRAND Cement Board
PermaBase Flex® BRAND Cement Board

Pertinent Code Section(s): 27-323, 27-339, 27-340, 27-341, 27-346

Prescribed Test(s):

1. RS 5-2 (ASTM E119)
2. Surface Burning Characteristics of Building Materials Test ASTM E84

Laboratory: Intertek Testing Services NA, Inc.

Test Report(s):

1. Intertek Testing Services NA, Inc - Report J99-04001 - February, 1999
2. Intertek Testing Services NA, Inc - Report J99-18693.3 - August 26, 1999
3. Intertek Testing Services NA, Inc - Report J98-32931 - January, 1999

Description – 1/4", 1/2" and 5/8" PermaBase® BRAND Cement Board products are rigid, non-loadbearing substrates made of Portland cement, aggregate and glass mesh that provide an exceptionally hard, durable surface that is able to withstand prolonged exposure to moisture. Long wrapped tapered edges are

formed smooth and shatterproof using the double-wrapped EdgeTech® technology which allows for close fastener application of nails or screws without crumbling or spinout.

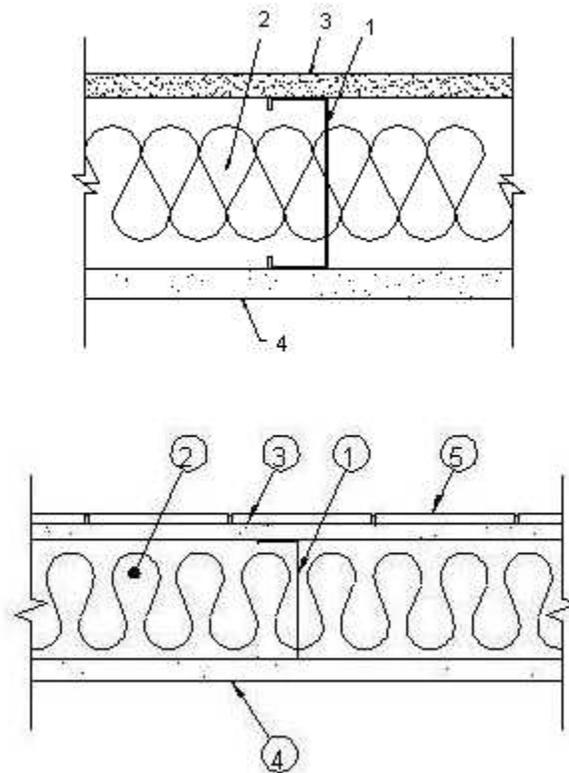
1/2" and 5/8" PermaBase® BRAND Cement Board panels are ideally suited as an underlayment or backing surface for tub and shower surrounds, countertops, flooring and a variety of other interior and exterior applications.

1/4" PermaBase® BRAND Cement Board is traditionally utilized as an underlayment for ceramic tile on floors and countertops. It is ideally suited for high-moisture applications, such as bathroom and kitchen floors and other flooring applications such as foyers, hallways and living areas.

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

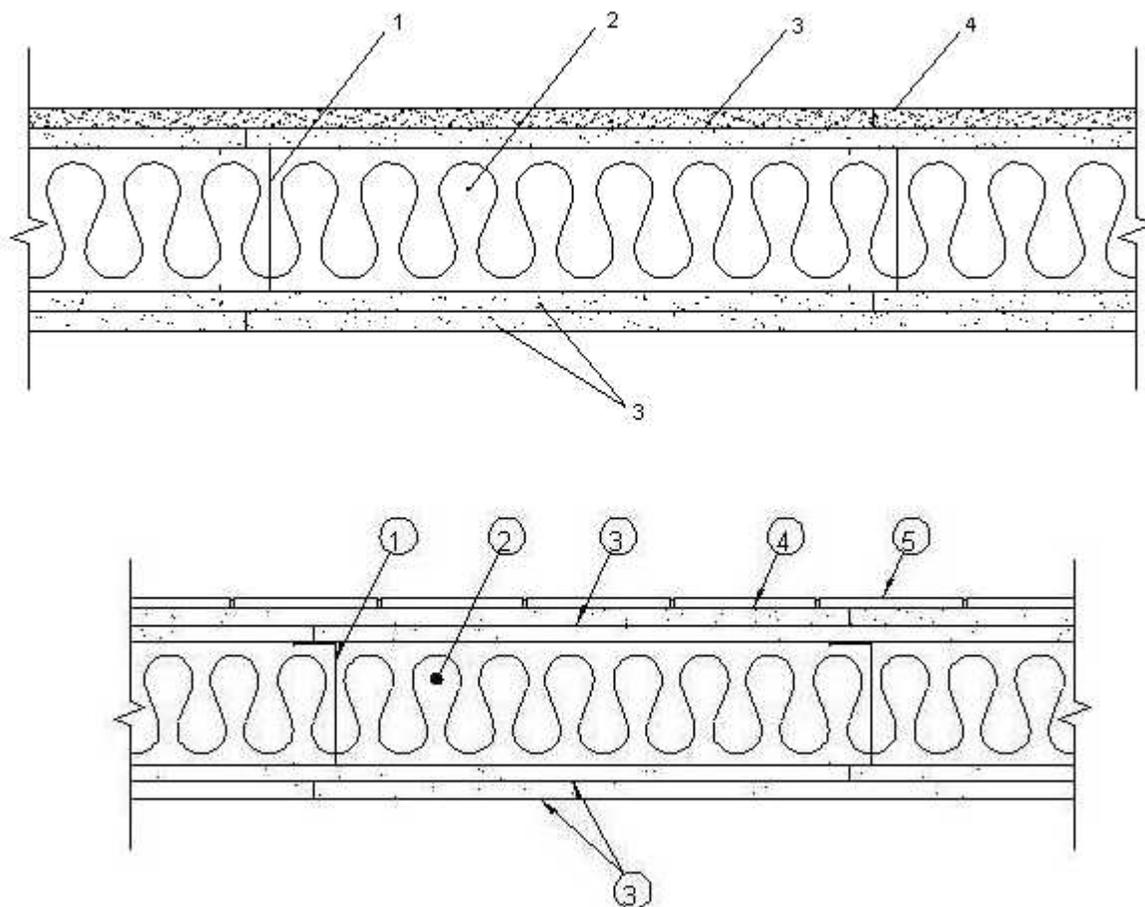
All PermaBase® panels are highly moisture resistant and will not rot, disintegrate or swell when exposed to water. PermaBase® panels provide impact resistance with excellent overall flexural, compressive and tensile strength characteristics.

ASSEMBLY RATING - 1 HOUR, NON-BEARING/UNSYMMETRICAL WALL ASSEMBLY



1. **Studs:** Steel, "C" shape, 3-5/8" wide, 1-1/4" legs, fabricated from minimum 0.019" thick galvanized steel, spaced 16" o.c.
2. **Insulation:** 3" thick unfaced mineral wool, friction fit into stud cavities.
3. **Cement Board:** 1/2" PermaBase®, DuraBacker™ or UNIFIX® UNIPAN®, applied horizontally or vertically, with joints staggered to those of opposite side of wall, fastened with 1-1/4" long Type S cement board screws, use S-12 screws for steel thickness of 0.032" or greater, 8" o.c. All joints are taped with a bedding coat and a finish coat and all fastener heads receive one coat of joint treatment.
4. **Gypsum Wallboard:** 5/8" Type X, applied vertically, with joints staggered to those of opposite side of wall, fastened with 1-1/4" long Type S drywall screws, use S-12 screws for steel thickness of 0.032" or greater, 8" o.c. All joints are taped with a bedding coat and a finish coat and all fastener heads receive one coat of joint treatment.
5. **Ceramic Tile:** Tile 1/4" thick, joints filled with grout, attached with either latex modified Portland cement mortar or ANSI-A136.1 Type I organic adhesive, applied with 1/4" square notched trowel.

ASSEMBLY RATING - 2 HOUR, NON-BEARING/UNSYMMETRICAL WALL ASSEMBLY



1.	Studs: Steel, "C" shape, 3-5/8" wide, 1-1/4" legs, fabricated from minimum 0.019" thick galvanized steel, spaced 16" o.c.
2.	Insulation: 3" thick unfaced mineral wool, friction fit into stud cavities.
3.	Gypsum Wallboard: 1/2" Type C, applied vertically, joints staggered. Base layer fastened with 1" long type S drywall screws, use S-12 screws for steel thickness of .032" or greater, 24" o.c., face layer fastened with 1-5/8" long type S drywall screws, use S-12 screws for steel thickness of .032" or greater, 12" o.c. All face layer joints are taped with a bedding coat and a finish coat and all face layer fastener heads receive one coat of joint treatment.
4.	Cement Board: 1/2" PermaBase®, DuraBacker™ or UNIFIX® UNIPAN®, applied vertically, joints staggered. Face layer fastened with 1-5/8" long type S cement board screws, use S-12 screws for steel thickness of .032" or greater, 8" o.c. All joints are taped with a bedding coat and a finish coat and all fastener heads receive one coat of joint treatment.
5.	Ceramic Tile: Tile 1/4" thick, joints filled with grout, attached with either latex modified Portland cement mortar or ANSI-A136.1 Type I organic adhesive, applied with 1/4" square notched trowel.

NOTE: In accordance with section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the commissioner; and any material which upon retesting is found not to comply with code requirements or the requirements set forth in the approval of the commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Terms and Conditions: The above described load and non-load bearing wall assembly be accepted as having fire resistance classification reference above. The assemblies may be used only in applications as listed and permitted in table 3-4 of the New York City Building Code. This acceptance does not include structural adequacy of wall design which must be checked for particular structure by department engineers. All shipments and deliveries of such materials shall be accompanied by a certificate or label, certifying that the materials shipped or delivered are equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance June 8, 2006
 Examined by Simon Derkhoven