



NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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## Report of Materials and Equipment Acceptance Division

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 413-06-M Vol. 2

**Manufacturer:** National Gypsum Company, 2001 Rexford Road, Charlotte, NC 28211 (704) 551-5807

**Trade Name(s):** Hi-Impact®, XP®, Fire-Shield®

**Product:** Hi-Impact® Brand, XP® Fire-Shield® wallboards

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

**Prescribed Test(s):** RS 5-2 (ASTM E119)

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File R3501, Project 04NK27221, Ref. WP-1427, WP-1428 – November 29, 2004; Letter – 5/8” thick type FSW-5 Gypsum Board.  
UL File R3501, Project 04NK27221 – December 1, 2004  
UL File R3501, Project 03NK31391, Ref WP-1368, WP-1369 – February 17, 2004; Letter – 5/8” thick type FSW-5  
UL File R3501, Project 03NK31391 – March 9, 2004

**Description:** Hi-Impact® Brand XP® Fire-Shield® Wallboard panels consisting of a fire-resistant type X gypsum core encased in heavy, smooth abrasion-resistant mold/mildew-resistant, 100% recycled purple paper on the face side and heavy mold/mildew-resistant liner paper on the back side. A fiberglass mesh is embedded in the core, close to the back of the board to provide additional impact/penetration resistance. Hi-Impact XP wallboard features a specially-formulated core to provide fire-resistance ratings when used in tested systems in addition to providing extra protection against mold and mildew compared to standard wallboard products. Hi-Impact XP wallboard is available in a 5/8” thickness with an FSW-5 type X core. Long edges of panels are tapered. Tapered edges allow joints to be treated in a normal manner.

**Note**

The Hi-Impact® Brand XP® Fire-Shield® Wallboard product qualifies for use in fire-resistive assemblies as outlined in the following UL design numbers for 5/8" thick board with a core designation of FSW-5.

	<b>One-Hour Noncombustible Fire-Resistive Assemblies</b>	<b>Two-Hour Noncombustible Fire-Resistive Assemblies</b>	<b>Three-Hour Noncombustible Fire-Resistive Assemblies</b>	<b>Four-Hour Noncombustible Fire-Resistive Assemblies</b>
<b>UL Design Assemblies</b>	U405, U418, (or 45 Min.) U420, U422, U425 (or 45 Min.), U434, U439, U450, U460, U465, U466, U475, U487, U494, U499, U531, U646, U649, U651, U652, V408, V421, V425, V430, V432, V433, V434, V435, V438, X526, X528	U411, U418, U420, U421, U425 (or 1.5 Hr.), U449 (or 1.5 Hr.), U475, U531 (or 1.5 Hr.), U647, U651, U652, V415, V419, V420, V421, V430, V433, V438, X526, X528	U450, U475, U648, V430, V438, X510, X526, X528	U450, U475, U926, V430, V438, X526

**Terms and Conditions:** The above-described fire-rated wall assembly designs are accepted with the following conditions:

1. Wall assembly shall have the fire-resistance ratings indicated when used where combustible or non-combustible construction is required in accordance with the New York City Building Code
2. This acceptance does not include structural adequacy or wall design, which must be provided by a professional engineer or registered architect for particular structure for compliance with Building Code.
3. Installation shall comply with the New York City Building Code and UL fire-resistance rating as specified above.
4. All shipments and deliveries of such material shall be provided with a certificate or label certifying that the material shipped or delivered is equivalent to that tested and accepted for use, as provided for in Section 27-131 of the Building Code.

**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.

Final Acceptance March 25, 2008

Examined By Sivan Derkshudam