



Substitution Request 5/8" M-Bloc® Type X Impact Resistant

Pre-Bid

After Bid

Project: Substitution Request #:
 From:
 Date:
 To: A/E Project Number:
 Contract For:

Specification Title: Description:
 Section: Page: Article/Paragraph:

Proposed Substitution: **5/8" M-Bloc® Type X Impact Resistant**

Manufacturer: **American Gypsum Company, LLC** Phone: **(866) 439-5800**

Address: **5960 Berkshire Lane, Ste 800, Dallas TX, 75225**

Installer: Address:

Phone: Email:

History:	New Product	2-5 Years	5-10 Years	10+ Years
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Differences between proposed substitution and specified product:

Reason for not providing specified item:

Similar Installation:

Project: Architect:

Address: Owner:

Date Installed:

Proposed substitution affects other parts of work:

No Yes, Explain

Supporting Data Attached:

Drawings	Product Data	Samples	Tests	Reports	Other
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The undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to the specified product.
 - The same warranty will be furnished for the proposed substitution as for the specified product.
 - The same maintenance service and source of replacement parts, as applicable, is available.
 - The proposed solution will have no adverse effect on other trades and will not affect or delay the progress schedule.
 - The proposed substitution does not affect dimensions and functional clearances.
 - Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.
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Submitted By:

Signature:

Firm Name:

Address:

Phone:

Attachments:

A/E's Review and Action:

Substitution Approved – Make Submittals in accordance with Division 1 Section: Substitutions.

Substitution Approved as Noted – Make submittals in accordance with Division 1 Section:
Substitutions.

Substitution Rejected – Use specified materials.

Substitution Request Received Too Late – Use specified materials.

Signed By:

Date:

Additional Comments:

Contractor Subcontractor Supplier Manufacturer A/E Other

Upon Completion Return To:

Name:

Address:

Phone:

Fax:

Email:

Submittal 09 29 00



American Gypsum
5960 Berkshire Ln., #800
Dallas, TX 75225
214-530-5500
www.americangypsum.com

Technical Information
1-800-545-6302 ext. 5607

M Bloc[®] IR 5/8" Type X

IMPACT RESISTANT

WITH MOLD & MOISTURE RESISTANCE

DESCRIPTION

M-Bloc[®] IR Type X interior gypsum panels were designed and tested to not only provide exceptional resistance to mold and moisture, but superior resistance to impact penetration, abrasion, abuse and indentation when compared to traditional wallboard. This Type X panel consist of an impact, abuse defiant core encased in heavy abrasion, mold and moisture resistant blue face paper and brown back paper manufactured from 100% recycled paper, with a fiberglass mesh fabric embedded into the core adjacent to the back of the panel to provide additional impact and penetration resistance. At an independant laboratory accredited in accordance with ISO 17025-2005, M-Bloc panels have been tested to the industry's most rigorous standard achieving the best possible results per ASTM D3273, scoring a perfect 10 thus minimizing the risk of mold and mildew growth.

M-Bloc IR Type X interior gypsum panels are recommended for commercial and institutional construction where greater resistance to penetration, abrasion, abuse and indentation are required. These UL classified panels are allowed for use in any fire rated design where American Gypsum's 5/8" Type X wallboard is approved. American Gypsum products contain no asbestos and no detectable levels of formaldehyde.

GREENGUARD CERTIFIED FROM UL ENVIRONMENT

M-Bloc IR Type X interior gypsum panels have achieved UL Environment's GREENGUARD GOLD Certification. GREENGUARD Certified products are scientifically proven to meet some of the world's most rigorous, third-party chemical emissions standards, helping reduce indoor air pollution and the risk of chemical exposure while aiding in the creation of healthier indoor environments. For more information, visit www.ul.com/gg.

BASIC USES

M-Bloc IR Type X panels can be used throughout a project, being finished the same as regular gypsum wallboard while accepting a wide variety of attractive finishes. Additionally M-Bloc[®] IR Type X panels can be used as a base for the adhesive application of ceramic or plastic tile in limited wet areas, e.g., bathrooms, kitchens, laundry, and utility rooms. With joints covered, M-Bloc IR Type X gypsum wallboard will resist the passage of smoke. For additional information on smoke barriers, refer to Gypsum Association publication, "Building and Inspecting Smoke Barriers" (GA-618).

LIMITATIONS

The use of M-Bloc IR Type X interior gypsum panels in actual job site conditions may not produce the same mold resistant results as were achieved in a controlled laboratory setting. While no material can or should be considered mold proof, the use of good design and construction practices is the most effective strategy to manage the growth of mold and mildew.

Avoid exposure to temperatures exceeding 125°F (52°C) for extended periods of time.

For optimal performance M-Bloc IR Type X panels shall be installed over or attached to framing members meeting a minimum mil thickness of 0.0312". Framing members are spaced a maximum of 16" o/c.

Not to be used in areas with direct exposure to water or continuous high humidity, tiled tub and shower areas, saunas, steam rooms, gang showers or indoor swimming pools.

M-Bloc IR Type X interior gypsum panels are a nonstructural product intended for interior applications only, and should not be used as a nailing base.

On wall applications, maintain a gap of 1/4" between the bottom edges or ends of the panels and floors, or any other horizontal surface where water could accumulate.

STORAGE AND HANDLING

Gypsum board does not generate or support the growth of mold when it is properly transported, stored, handled, installed, and maintained. However, mold spores are present everywhere and when conditions are favorable; mold can grow on practically any surface. GYPSUM BOARD MUST BE KEPT DRY to prevent the growth of mold. Gypsum board must be stored in an area that protects it from adverse weather conditions, condensation, and other forms of moisture. Job site conditions that can expose gypsum board to water or moisture must be avoided.

Gypsum board should not be exposed to elevated levels of moisture for extended periods. Examples of elevated levels of moisture include, but are not limited to, exposure to rain, condensation, water leakage, and standing water. Some board exposed to these conditions may not need to be replaced, depending upon the source of the moisture and the condition of the gypsum board being considered for replacement.

When gypsum board is exposed to elevated levels of moisture, an assessment of the potential damage to the gypsum board must be made by the contractor/design professional/owner as to whether board exposed to these conditions must be replaced. Gypsum wallboard may experience limited intermittent exposure to moisture from a variety of sources, such as improper storage, construction or design defects, water leaks, etc. Gypsum board exposed to water should be replaced unless all of the following conditions are met.

1. The source of the water or moisture is identified and eliminated.
2. The water or moisture to which the gypsum board was exposed was uncontaminated.
3. The gypsum board can be dried thoroughly before mold growth begins (typically 24 to 48 hours depending on environmental conditions).
4. The gypsum board is structurally sound and there is no evidence of rusting fasteners or physical damage that would diminish the physical properties of the gypsum board or system.

Below are the general recommendations for drying out gypsum wallboard once exposed to moisture:

- The source of water or moisture must be eliminated.
- Adequate ventilation, air circulation, and drying are essential to minimize the potential for mold or other fungal growth. Fans should be used to increase air movement.
- The interior of the building must be thoroughly dried immediately.

