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# M Bloc® IR Type X

## IMPACT RESISTANT

### with Mold & Moisture Resistance

#### DESCRIPTION

M-Bloc® IR Type X interior gypsum panels treated with AzoTech™ fungicide were designed and tested to not only provide exceptional resistance to moisture and mold, but superior resistance to impact penetration, abrasion, abuse and indentation when compared to traditional wallboard. These panels consist of an impact, abuse, fire, mold and moisture defiant core encased in heavy abrasion, mold and moisture resistant 100% recycled, purple paper on the face side and sturdy liner paper on the back side.

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.

Products manufactured by American Gypsum contain no asbestos. AzoTech™ is a trademark of a Syngenta Group Company.

#### GREENGUARD CERTIFIED



The M-Bloc® family of products have attained the GREENGUARD Indoor Air Quality Certified® and the GREENGUARD Children & Schools Indoor Air Quality Certified<sup>SM</sup> status.

The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark used license through the GREENGUARD Environmental Institute.

#### BASIC USES

Along with being the ideal gypsum wallboard for projects requiring superior resistance to impact penetration, abrasion, abuse and indentation, M-Bloc IR Type X panels have been tested for mold resistance to the industry's most rigorous standards achieving the best possible results. At an independent laboratory, certified in accordance with ISO 17025-2005, M-Bloc IR Type X interior gypsum wallboard attained a score of 0 per ASTM G 21 and a 10 when tested to ASTM D 3273, thus minimizing the risk of mold and mildew growth.

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 abuse resistant performance over metal framing, the use of 20 gauge steel framing members spaced a maximum of 16" o/c is required.

Not to be used in areas with direct exposure to water or continuous high humidity, e.g., tiled tub and shower surrounds, 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

M-Bloc IR Type X interior gypsum panels do not generate or support the growth of mold when they are 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 that has visible mold growth must not be used. For additional information refer to Gypsum Association publication, "Guidelines for the Prevention of Mold Growth on Gypsum Wallboard" (GA-238).

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 must be protected during transit with a weather-tight cover in good condition. Plastic shipping bags are intended to provide protection during transit only and must be promptly removed upon arrival of the load. Failure to remove the shipping bag can increase the likelihood of developing conditions favorable to the growth of mold.

Gypsum board must be stored off the ground and under protective cover. Sufficient risers must be used to assure support for the entire length of the wallboard to prevent sagging.

Gypsum board must be delivered to the job site as near to the time it will be used as possible. Individuals delivering gypsum board to jobsites should ensure that it is carried, not dragged, to place of storage/installation to prevent damage to finished edges.

Gypsum board shall always be stacked flat - NEVER on edge or end. Gypsum board stacked on edge or end is unstable and presents a serious hazard should it accidentally topple. Gypsum board should be placed so weight is evenly distributed and the floor is not overloaded.

M Bloc® IR TYPE X  
IMPACT RESISTANT  
with Mold & Moisture Resistance  
AMERICAN GYPSUM  
Made in the USA  
AMERICAN GYPSUM  
Resistente a los impactos con resistencia al moho y a la humedad  
Panel tipo X resistente

**GOOD BUILDING PRACTICES**

Installation - M-Bloc IR Type X shall be installed in accordance with the recent editions of "Application and Finishing of Gypsum Panel Products" (GA-216) and or "Standard Specification for Application and Finishing of Gypsum Board" (ASTM C 840). The building temperature shall be maintained at not less than 50°F (10°C) for adhesive application of gypsum board, during joint treatment, texturing, and decoration. When a temporary heat source is used the temperature shall not be more than 95°F (35°C) in any given room or area. Adequate and continuous ventilation shall be provided in the working area during the installation and the drying or curing period.

The listed impact penetration/abrasion/abuse/indentation ratings apply to walls constructed with M-Bloc IR Type X gypsum wallboard installed vertically to minimum 20 gauge framing members spaced a maximum of 16" o/c.

The design professional has the ultimate responsibility for location of control joints.

Decoration - The design professional, contractor and or owner shall review "Recommended Levels of Gypsum Board Finish" (GA-214), in order to specify the proper level of drywall finishing needed to assure the desired results. For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. To equalize the porosities between the face paper and joint compound and improve fastener and joint concealment, the surface shall be primed and sealed with a full-bodied high solids drywall primer before texturing or final decoration. The selection of the proper paint to give the specified or desired finished characteristics is the responsibility of the design professional, contractor and or owner.

**APPLICABLE STANDARDS**

<b>Mold Resistance</b>	Score of 0 (ASTM G 21) Score of 10 (ASTM D 3273)
<b>Water Absorption</b>	<5% (ASTM 1396)
<b>Manufacturing</b>	ASTM C 1396 Federal Specification – SS-L-30D Type III Grade X
<b>Abrasion Resistance</b>	Level 2 (ASTM C 1629)
<b>Indentation Resistance</b>	Level 2 (ASTM C 1629)
<b>Soft Body Impact Resistance</b>	Level 1 (ASTM C 1629)
<b>Hard Body Impact Resistance</b>	Level 1 (ASTM C 1629)
<b>Surface Burning Characteristics</b>	ASTM E 84 Flame Spread           15 Smoke Developed       0
<b>Permeability</b>	27 (ASTM E 96)

**FIRE RESISTANCE RATINGS**

Desired fire rated assemblies are specified from tests performed by independent laboratories. These designs are made up of specific materials in a precise configuration. When choosing construction designs to meet certain fire resistance requirements, vigilance must be taken to insure that each component of the selected assembly is the one specified in the test and are assembled in accordance with the requirements of the assembly.

**PRODUCT DATA**

**SIZES**

Thickness	Widths	Lengths	Edge Type	UL Types
5/8" (15.9mm)	4' (1219mm)	8', 10', 12' (2438mm, 3048mm, 3658mm)	Tapered	AGX-1, AGX-11

Special lengths or edges may be available on special order. Consult your American Gypsum sales representative for details.

Thermal Resistance "R" Value                   5/8" = 0.61

**SUBMITTAL APPROVALS**

Job Name:

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Contractor:

Date:

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