

Submittal 09 29 00



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Technical Information
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M Bloc® Ekcel® Type X

WITH MOLD & MOISTURE RESISTANCE

DESCRIPTION

American Gypsum's patent pending 1/2" M-Bloc® Ekcel® Type X gypsum panel was developed as a fire resistant, mold and moisture resistant wallboard for use in the patent pending 2-1/2 hour fire rated ME Area Separation Firewall System. The M-Bloc® Ekcel® Type X panel is encased in a mold and moisture resistant blue face paper and brown back paper, that has been tested to the industry's most rigorous standard, ASTM D3273 (Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber) scoring a perfect 10, thus minimizing the risk of mold and mildew growth. American Gypsum products contain no asbestos and no detectable levels of formaldehyde.

GREENGUARD CERTIFIED FROM UL ENVIRONMENT

The 4' wide patent pending 1/2" M-Bloc® Ekcel® Type X gypsum panels have achieved UL Environment's GREEN GUARD 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

1/2" M-Bloc® Ekcel® Type X gypsum panels are used in conjunction with metal framing members for the patent pending ME Area Separation Firewall System.

- UL design V344, 2-1/2 Hour ME Area Separation Firewall System

LIMITATIONS

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.

1/2" M-Bloc® Ekcel® Type X gypsum panels should not be exposed to excessive, continuous or elevated levels of moisture for an extended period of time. Sources of moisture such as standing water, snow, water leaks, etc., are to be removed or eliminated immediately.

The 2-1/2 hour H-Stud ME Area Separation Firewall System is a non-load bearing partition, with unsupported wall height between floors not exceeding 10 feet. The system may be built to a height of 66'.

Do not install insulation in the ME Area Separation Firewall System until the building has been properly closed or dried in.

Penetrations in or through the 2 Hour H-Stud ME Area Separation Firewall System are not part of the tested assembly.

Avoid exposure to temperatures exceeding 125°F (52°C) for extended periods of time, e.g., located adjacent to wood burning stoves and or heating appliances.

The use of 1/2" M-Bloc® Ekcel® Type X gypsum panels in actual jobsite conditions may not produce the same mold resistant results as were achieved in a controlled laboratory setting.

STORAGE AND HANDLING

The 1/2" M-Bloc® Ekcel® Type X gypsum panels must be stored off the ground with sufficient risers to assure support for the entire length of the wallboard to prevent sagging, and under protective cover in accordance with the Gypsum Association's technical bulletin, Handling and Storage of Gypsum Panel Products (GA-801).

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 should be delivered to the job site as near to the time it will be used as possible.

GOOD BUILDING PRACTICES

Installation of the 1/2" M-Bloc® Ekcel® Type X gypsum panels shall be consistent with specified application details described and found in the ME Area Separation Firewall System technical bulletin. The assembly must be erected in the proper manner and with all approved components used in a successfully completed fire endurance test. The contractor, design professional and or owner shall ensure that only the components that were part of the approved test are used; do not substitute components.

Handling and application shall be consistent with methods described in the noted standards and references shown in the "Applicable Standards" section.

M-Bloc® Ekcel® Type X

AMERICAN GYPSUM

Made in the USA

AMERICAN GYPSUM

Panel tipo X resistente al moho la humedad

APPLICABLE STANDARDS

Mold Resistance	Score of 10 (ASTM D 3273)
Manufacturing	ASTM C 1396
Installation	ME Area Separation Firewall System Technical Bulletin ASTM C 840 Gypsum Association GA-216 Gypsum Association GA-231 Gypsum Association GA-801
Surface Burning Characteristics	ASTM E 84 Flame Spread 0 Smoke Developed 0

PRODUCT DATA

Thickness	Widths	Lengths	Edge Type	UL Type
1/2" (12.7mm)	4' (1219mm)	10' (3.05m)	Square	Ekcel

Thermal Resistance "R" Value 1/2" = 0.50

SUBMITTAL APPROVALS

Job Name:

Contractor:

Date:
