

Submittal 09 29 00



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Technical Information
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M Bloc® 1" Shaft Liner

WITH MOLD & MOISTURE RESISTANCE

DESCRIPTION

American Gypsum's 1" M-Bloc® Shaft Liner gypsum panels consist of a fire-resistant type X core that is encased in a mold and moisture resistant blue face and back paper manufactured from 100% recycled paper. The face paper is folded around the long edges to reinforce and protect the core. The panels feature a double beveled edge for ease of installation, with the ends being square-cut and finished smooth. M-Bloc Shaft Liner panels are available: 1" thick x 2' wide, and in a variety of lengths. At an independent laboratory accredited in accordance with ISO 17025-2005, M-Bloc panels have been tested to the industry's most rigorous standards achieving the best possible results per ASTM D3273, 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

1" M-Bloc Shaft Liner 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 Shaft Liner panels are used in conjunction with other American Gypsum products and metal framing members for Shaftwall and Area Separation Wall systems. M-Bloc Shaft Liner may be substituted for American Gypsum's standard 1" Shaft Liner panels. Lightweight non-load bearing gypsum Shaftwall systems have replaced traditional masonry for interior vertical enclosures including stairwells, elevator enclosures and mechanical chases.

American Gypsum's M-Bloc Shaft Liner has been approved for use in the following assemblies:

- U 375 2 Hour H-Stud Area Separation Wall System
- V 455 1 & 2 Hour Shaftwall Systems using I, C-H and C-T Studs
- U 428 2 Hour Shaftwall System using C-H and C-T Studs
- U 429 2 Hour Area Separation Wall System using C-H and C-T Studs
- U 529 Laminated Wall 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.

M-Bloc Shaft Liner 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.

Not to be used in an unlined air supply duct.

Limiting heights and deflection criteria for systems are based on the metal stud manufacturer's recommendations.

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" M-Bloc Shaft Liner panels in actual jobsite conditions may not produce the same mold resistant results as were achieved in a controlled laboratory setting.

STORAGE AND HANDLING

M-Bloc Shaft Liner 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 - Installation of 1" M-Bloc Shaft Liner panels shall be consistent with specified application details for Shaftwall or Area Separation Wall systems. 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 a 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 indicated below.

APPLICABLE STANDARDS

Mold Resistance	Score of 10 (ASTM D 3273)
Manufacturing	ASTM C 1396
Installation	ASTM C 840 Gypsum Association GA-214 Gypsum Association GA-216 Gypsum Association GA-231 Gypsum Association GA-620 Gypsum Association GA-801
Surface Burning Characteristics	ASTM E 84 Flame Spread 0 Smoke Developed 0

M Bloc® SHAFT LINER

AMERICAN GYPSUM

Made in the USA

AMERICAN GYPSUM

M-Bloc panel de forro para columna

PRODUCT DATA

Thickness	Widths	Lengths	Edge Type	UL Types
1" (25.4mm)	2' (610mm)	8' - 12' (2438mm - 3658mm)	Double Beveled	AG-S

Special lengths or edges may be available on special order. Consult your American Gypsum sales representative for details.
 Thermal Resistance "R" Value 1" = 0.73

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.

SUBMITTAL APPROVALS

Job Name:

Contractor: _____ **Date:** _____