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American Gypsum  
3811 Turtle Creek Blvd., #1200  
Dallas, TX 75219  
214-530-5500  
www.americangypsum.com

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

# 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](http://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
V 433	2 Hour Shaftwall System using I-Studs

### LIMITATIONS

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. 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.

- Used in non-load bearing systems.
- Not to be used in an unlined air supply duct.
- Limiting heights and deflection criteria for the system should be based upon the metal stud manufacturer's recommendations.
- Provide flexible sealant/caulk at partition perimeters and penetrations to avoid air leakage/whistling and dust collection.
- Framing must be spaced no more than 24" o/c.
- 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.

### 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.

M-Bloc® SHAFT LINER

AMERICAN GYPSUM

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M-Bloc panel de forro para columna

