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M Bloc® Type C

WITH MOLD & MOISTURE RESISTANCE

DESCRIPTION

M-Bloc® Type C interior gypsum panels treated with AzoTech™ fungicide were developed as an improved mold and moisture resistant wallboard with additional properties to enhance the core of this type X wallboard to achieve superior performance when used in specific fire rated assemblies. M-Bloc Type C panels are encased in a mold and moisture resistant blue face paper and brown back paper manufactured from 100% recycled paper. At an independent laboratory certified 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.

American Gypsum products contain no asbestos and no detectable levels of formaldehyde. AzoTech™ is a trademark of a Syngenta Group Company.

GREENGUARD CERTIFIED FROM UL ENVIRONMENT

M-Bloc® Type C 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 Type C interior gypsum panels are used as a covering material for interior walls and ceilings in residential and commercial applications that often require specific fire rated assemblies. M-Bloc Type C interior gypsum panels can be used throughout a project as well as the adhesive application of ceramic or plastic tile in limited wet areas, e.g., bathrooms, kitchens, laundry, and utility rooms. These panels can be finished the same as regular gypsum wallboard and they accept a wide variety of attractive finishes. With joints covered, M-Bloc Type C interior gypsum panels 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 Type C 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.

- M-Bloc Type C interior gypsum panels are intended for interior applications only and is a nonstructural product that should not be used as a nailing base.
- Avoid exposure to temperatures exceeding 125°F (52°C), e.g., located adjacent to wood burning stoves and or heating appliances.
- When M-Bloc Type C interior gypsum panels are applied to ceilings, please follow the framing instructions found below.
- Resilient channels are not recommended where tile or similar finish is to be applied to panel.
- Avoid exposure to excessive or continuous moisture before, during and after installation, e.g., swimming pools, saunas or steam rooms. Eliminate any sources of moisture immediately.
- 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.
- Spacing of wall or ceiling framing should not exceed the recommendations below:

| MAXIMUM FRAMING OF FRAMING (WOOD OR METAL) | | | |
|--|----------------------|--------------------------|-----------------------------|
| | SINGLE PLY THICKNESS | APPLICATION | MAXIMUM FRAMING O/C SPACING |
| CEILING | 1/2" or 5/8" | Parallel to Framing | 16" o/c |
| | 1/2" or 5/8" | Perpendicular to Framing | 24" o/c |
| WALLS | 1/2" or 5/8" | Parallel or | 24" o/c |
| | | Perpendicular to Framing | |

To prevent noticeable sag in ceilings, the weight of overlaid unsupported insulation should not exceed the following recommendations:

| FRAMING | PRODUCT | PSF (LBS. PER S/F) OF INSULATION |
|---------|--------------------|----------------------------------|
| 24" o/c | 1/2" M-Bloc Type C | 1.3 (6.3 kg/M ²) |
| 16" o/c | 1/2" M-Bloc Type C | 2.2 (10.7 kg/M ²) |
| 24" o/c | 5/8" M-Bloc Type C | 2.2 (10.7 kg/M ²) |

Insulation blankets or batts should be recessed, with flanges attached or friction fitted to the sides of the studs or joists.

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.

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MOLD RESISTANT
AMERICAN GYPSUM
Made in the USA
AMERICAN GYPSUM
Panel Tipo resistente al moho

