

Sheetrock® MH Gypsum Panel



SHEETROCK® Brand MH

Panels specially designed to meet the needs of Industrialized Construction

- Meet or exceed requirements of ASTM C36.
- Cut to your specified standard lengths and 4' wide to meet construction dimension requirements.
- Tapered edges for easier finishing.
- Designed for installation with all standard attachment methods.

Description

SHEETROCK® MH Brand Gypsum Panels (TUF-BASE™) are specially designed to meet Industrialized Construction's need for time sensitivity and structural integrity. These superior-grade panels are 1/2" or 5/8" thick and made with an extra-tough core to provide superior structural performance during construction and in transit.

Panels are 4' wide and finished with smooth manila face paper wrapped around tapered edges. They may be fastened with two-component polyurethane foam adhesive or with mechanical fasteners (screws, staples or nails)—alone or in conjunction with adhesive—for superior performance in standard and shear-rated applications.

Advantages

Fire Resistance: Gypsum core is noncombustible.

Shear Resistance: System tested to ensure compliance with HUD Manufactured Home Construction Standard. Classified as to shear resistance and surface burning characteristics by Underwriters Laboratories Inc.

Dimensional Stability: Composition provides low expansion and contraction to resist buckling and warping.

Installation

SHEETROCK MH Brand Gypsum Panels (TUF-BASE) are designed for application to walls and ceilings. Refer to the table below for information on framing spacing. The table provides general guidelines for matching various gypsum board products with the appropriate framing specifications. The limitations that follow the table must also be considered when choosing the best gypsum panel to use for a specific job. For complete installation and finishing instructions, refer to USG publication MH1216, *Manufactured Housing Handbook*. See publication MH1107 for specifications and application guidance.

Maximum Support (Studs, Joists, Channels, Furring) Spacing for Gypsum Panels

Panel Thickness ⁽¹⁾	Location	Application Method ⁽²⁾	Maximum Support Spacing o.c. (in./mm)	
Single-layer application				
1/2" (12.7 mm)	ceilings	parallel	16 ⁽³⁾	406
		perpendicular	24 ⁽⁴⁾⁽⁵⁾	610
5/8" (15.9 mm)	sidewalls	parallel or perpendicular	24	610
		ceilings ⁽⁵⁾	parallel	16
	sidewalls	perpendicular	24	610
parallel or perpendicular		24	610	

(1) A 5/8" thickness is recommended for the finest single-layer construction, providing increased resistance to fire and transmission of sound; 1/2" is standard for single-layer application in new residential construction. (2) Long-edge position relative to framing. (3) Not recommended if water-based texturing material is to be applied. (4) Max. spacing 16" if water-based texturing material to be applied. (5) 1/2" SHEETROCK® MH Brand Gypsum Ceiling Board (ULTRA-BASE™) is recommended for parallel application when water-based texture is used; max. spacing is 24" o.c. for parallel application with weight of unsupported insulation not exceeding 2.2 psf. When water-based texturing materials are used, environmental controls must be in place to adequately dry interior finishes and reduce high ambient humidity.

Application method: "Parallel" and "perpendicular" refer to the position of the paper-wrapped edge of the gypsum panel.

Limitations on 1/2" panels: 1/2" gypsum panels shall not be used in ceiling applications when truss spacing exceeds 16 in. o.c. and water-based finishes are applied. 1/2" gypsum panels shall not be applied with long edges parallel to roof framing if water-based texture is applied. 1/2" SHEETROCK® MH Brand Gypsum Ceiling Board (ULTRA-BASE™) is recommended for ceiling applications when water-based finishes are specified.

WARNING: Store all SHEETROCK Brand Gypsum Panels flat. Panels are heavy and can fall over, causing serious injury or death. Do not move unless authorized.

Moisture Control

For ceiling applications where gypsum panels are installed parallel to framing and water-based textures are applied, use SHEETROCK® MH Brand Gypsum Ceiling Board—ULTRA-BASE™ (see publication MH1237 for complete product information and installation instructions for ULTRA-BASE panels).

The combination of water-based interior finishing materials and high ambient humidity conditions can cause problems in finished interiors if adequate vapor and moisture control are not provided. Excessively long drying times will result in problems with the interior finish, such as joint banding and staining; excessive moisture levels can also result in damage to the gypsum panels. Avoiding these problems requires careful attention during the production process. The following precautions must be observed to minimize problems with the appearance of the finished interior:

- 1 Moisture introduced by finishing products should be removed by ventilating the work area. Depending on environmental conditions, supplemental heat and/or dehumidifiers may be required.
- 2 The interior space of finished homes must be adequately ventilated, and air circulation must be provided to remove water vapor from the structure. All finishes must be completely dry before the unit is sealed for shipment.
- 3 Where vapor retarder is required in cold weather conditions, the temperature of the gypsum panels and vapor retarder must remain above the interior air dew point temperature during and after the installation of panels and finishing materials.

Most wet board problems are caused by the condensation of water vapor within the gypsum panel. The placement of vapor retarders, insulation levels and ventilation requirements will vary by location and climate, and should be reviewed by a qualified engineer if in question.

Trademarks:

The following trademarks used herein are owned by United States Gypsum Company: SHEETROCK, TUF-BASE, ULTRA-BASE.

Note:

Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

Notice:

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Safety First!

Follow good safety and industrial hygiene practices during handling and installing all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

