

Regular and Type X Gypsum Board

Product Data and Submittal

Product Description

M2Tech[®] gypsum boards are moisture and mold resistant and are designed for use on interior walls and ceilings; specially engineered to provide enhanced moisture and mold resistance. They have a specially formulated moisture resistant core and are enclosed in a 100% recycled moisture and mold resistant light violet colored face paper. M2Tech Gypsum Boards may be finished, painted textured or wallpapered using regular gypsum board techniques.

Basic Uses

M2Tech Gypsum Board is used for interior walls and ceilings in standard residential, commercial or institutional applications. It can be used for new construction or renovations over wood or steel framing. It is typically nailed or screwed to studs spaced 16" (400 mm) or 24" (610 mm) o.c., but can be applied by laminating or with the use of an adhesive. M2Tech Type X Gypsum Board is used for the above mentioned applications requiring fire ratings.

Advantages

- Fire resistance ratings up to four hours (Type X)
- M2Tech technology provides additional zone of protection against moisture and mold
- Achieves best possible score of 10 for mold resistance per ASTM D3273*
- GREENGUARD[®] Gold Certified

- Less than 5% water absorption by weight after 2-hour immersion, as per ASTM C473 test method
- Uniformly flat, attractive appearance
- High edge hardness
- No wavy edges, warps, bows or deformities
- Uniform high-strength cores eliminate crumbling, cracking
- Edge tapers consistent to form perfect joints
- Excellent thermal barrier and sound attenuation qualities

Product data

Thickness: 1/2" (12.7 mm) Regular
5/8" (15.9 mm) Type X

Width: 4' (1220 mm) standard

Length: 8', 10', 12' standard
(2440 mm, 3050 mm, 3660 mm)

Custom lengths may be available on special order. Consult your CertainTeed sales representative.

Weights:

1/2" Regular - 1.6 psf (7.8 kg/m²)
5/8" Type X - 2.2 psf (10.7 kg/m²)

Edge: Tapered

Technical Data

Composition and Materials

Manufactured panel with gypsum core, encased in paper. Various additives are added to the core to enhance moisture and fire resistive qualities.

Surface Burning Characteristics

CertainTeed Moisture and Mold Resistant gypsum board has a Flame Spread ratings of 15 and Smoke Developed ratings of 0 when tested in accordance with ASTM E84, (UL 723, CAN/ULC-S102). ULC 0/0.

Fire Resistance

Fire resistance tests are conducted in accordance with ASTM E119, (ANSI/UL263, CAN/ULC-S101).

For fire resistance ratings, refer to the Gypsum Association Fire Resistance Design Manual and UL Fire Resistance Directory or ULC Fire Resistance List of Equipment and Materials.

UL / cUL / ULC Designation

Type X, Type X-1

Applicable Standards and References

- Manufactured to meet ASTM C1396
- ASTM C840
- CAN/CSA-A82.27
- Gypsum Association GA-216
- Gypsum Association GA-214
- International Building Code (IBC)
- International Residential Code (IRC)
- National Building Code of Canada (NBCC)

Installation

Limitations

- Avoid exposure to water or excessive moisture during transportation, storage, handling, during or after

Continued on back

Job Name

Contractor

Date

Products Specified:

Submittal Approvals
(Stamps or Signatures)

installation. Good design and construction practices that prevent water and moisture exposure of building products are the most effective strategy to avoid the growth of mold.

- Not recommended for exterior application. (Exterior Soffits, Ceilings, and Carports are permitted for with M2Tech products from specific manufacturing plants. See your CertainTeed Sales Representative).
- CertainTeed Moisture and Mold Resistant gypsum board is not recommended for areas which will be continuously wet or subjected to high humidity such as tub or shower surrounds, saunas, steam rooms or gang showers.
- Exposure to continuous moisture or extreme temperatures should be avoided.
- Not recommended for continuous exposure to temperatures exceeding 125°F (52°C).
- Ceiling framing spacing should not exceed 16" (400 mm) o.c. for 1/2" M2Tech with water-based texture finish; 24" o.c. (610 mm) for 1/2" M2Tech without water-based texture finish; 24" o.c. (610 mm) for 5/8" M2Tech Type X. Applied perpendicular to framing.
- Wall framing spacing should not exceed 24" (610 mm) o.c.
- Store indoors and off ground surface.
- Boards should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.
- Storing board lengthwise leaning against the framing is not recommended.
- Boards should be carried, not dragged, to place of installation to prevent damaging finished edges.
- Cutting and scoring should be done from the face side.

- In cold weather or during joint finishing temperatures within the enclosure should stay within the range of 50° to 95°F (10° to 35°C) and with sufficient ventilation to carry off excess moisture.

Recommendations

Installation of M2Tech Gypsum Board should be consistent with methods described in the standards and references noted. Cutting should be from the face side of the boards for best results.

Decoration

M2Tech Gypsum Board accepts most types of paints, texture and wall covering materials. The surface shall be primed with a full-bodied latex primer before applying a final decorative material. This will equalize the suction between the joint compounds and the paper surface.

For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. If glossy paints are used, a Level 5 finish is recommended to reduce highlighting or joint photographing. This method is also recommended for areas of critical sidelighting of natural or artificial light sources.

A sealer application under wallpaper or other wall covering is also recommended so the board surface will not be damaged, if the covering is subsequently removed during redecorating. Joint treatment must be thoroughly dry before proceeding with primer-sealer application and final decoration.

* The performance of CertainTeed Moisture and Mold Resistant gypsum board in actual use may not accurately reproduce the results achieved in this

ASTM laboratory test. Good design and construction practices that prevent water and moisture exposure of building products are the most effective strategy to avoid the growth of mold.

BIM/CAD Information

The BIM and CAD UL fire rated assemblies and sound assemblies can be found on CertainTeed's BIM and CAD Design Studio at certainteed.concora.com. CertainTeed's BIM and CAD Design Studio provides BIM and CAD details to many UL fire rated assemblies and sound assemblies in easy to view experience. Plus, downloadable Revit and DWG and PDF CAD Details are available.

Sustainability

Sustainable documentation, including recycled content, EPD's, HPD's, VOC Certifications, can be found at certainteed.ecomedes.com.

Notice

The information in this document is subject to change without notice. CertainTeed assumes no responsibility for any errors that may inadvertently appear in this document.

For Fire Resistance, no warranty is made other than conformance to the standard under which the assembly was tested. Minor discrepancies may exist in the values of ratings, attributable to changes in materials and standards, as well as differences between testing facilities. Assemblies are listed as "combustible" (wood framing) and "noncombustible" (concrete and/or steel construction).



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20 Moores Road Malvern, PA 19355 Professional: 800-233-8990 Consumer: 800-782-8777 certainteed.com