



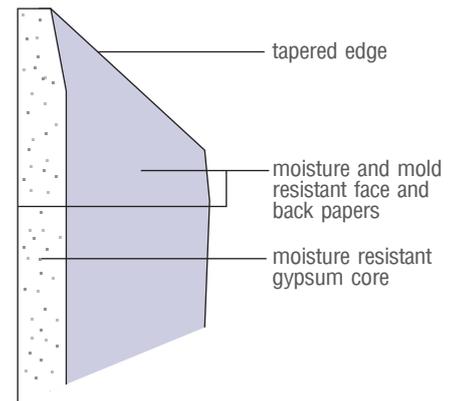
M2TECH System

The ultimate drylining system in *moisture and mold* resistance



The M2TECH Advantage

M2TECH Moisture and Mold Resistant Gypsum Board provides enhanced protection against mold growth. It is designed for use on interior walls and ceilings in standard residential, commercial and institutional applications. M2Tech has a specially formulated moisture core enclosed in 100% recycled moisture and mold resistant light violet colored face paper. FireStop Type C M2Tech boards also has Fire resistant core and UL Classified and ULC listed for fire resistance.



A Superior Technology

- To provide the added protection against mold when exposed to incident or intermittent moisture. The mold resistance test achieved the highest possible score 10 per ASTM D3273 by an independent laboratory.
- Light weight quick and easy to install
- The gypsum board is made from extra tough paper.
- The gypsum compound is mixed with fiberglass and micro-silica to enhance durability and insulation properties of the board.***
- Health and environmentally friendly. It does not produce toxic fumes or hazardous substance that are harmful to health.

Remark : * Depending on the system design
 ** Depending on the thickness
 *** Fire stop type C board only.

How to use M2TECH Gypsum Board

M2TECH Gypsum Board 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.

Not recommended for exterior use, exposure to extreme temperatures, or continuously wet or high humidity areas such as sauna, steam rooms or gang showers. Thai Gypsum recommends use of Glasroc H Ocean for wet area applications.

Applications

For use in conjunction with ceiling and walls that need the mold growth protection ability.

Thickness and Type	Usage
Normal M2TECH Board • 1/2 inch (12.7 mm) • 5/8 inch (15.9 mm)	For walls and ceilings where 1/2" Regular and Moisture Resistant gypsum board are commonly used
FireStop Type C M2TECH Board • 1/2 inch (12.7 mm) • 5/8 inch (15.9 mm)	When Type C core is required for fire resistance or STC requirements

The greater thickness provides enhanced fire resistance and reduced noise transmission.

Good design and construction practices that prevent water and moisture exposure of building products are the best ways to avoid to growth of mold.

Special Properties	Test Method	Specification
Mold resistance	ASTM D 3273	Rate 10
Thermal conductivity value (K)	ASTM C117	10-16.7 sq.m. K/W **
Sound insulation	ASTM E90/BS EN ISO 140	36-51 Rw dB or STC *
Surface spread of flame***	ASTM E84/BS 476 Part 7	Class 1/>25
Fire resistance***	ASTM E119/BS 476 Part 22 & 23	60-180 minutes *

Specification Guide

Use 1/2" (or 5/8") Gyproc M2TECH Moisture and Mold resistant Board, score 10 of 10 as per ASTM D3273 certified by an independent laboratory, as Interior Ceiling and Wall Boards in all the toilets, kitchens, laundry and external soffits in sheltered position of the building. While Fire resistant property is required, use 1/2" (or 5/8") Gyproc M2TECH Moisture and Mold resistant Board Fire-rated Type C instead.

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