



## Cabot Protec M+M+AR

### Description

**Protec M+M+AR Type X** Gypsum Panels are designed for interior high traffic areas where abrasion, indentation resistance and mold/water resistance are primary considerations.

**Protec M+M+AR** Gypsum Panels are comprised of a proprietary high density Type X gypsum core enhanced with "Protec" mold/moisture treatment. In addition, the 100% recycled blue face layer and the gold back paper are also treated with the same "Protec" inhibitor.

The face paper is formed along each edge, wrapped around and sealed to the paper on the back side. This produces a strong yet flexible panel in convenient width and length to meet most commercial/residential construction requirements for wall and ceiling substrates.

### Primary Uses

**Protec M+M+AR Type X Gypsum Board** is manufactured in 5/8" core for single or multiple layer application in fire tested assemblies. In addition, the panels have been designed for areas subject to high traffic/abuse such as schools, hospitals, public areas of buildings where an extra degree of abuse/water/mold resistance is the desired attributes for the space. In addition, the panel would also work well for use in residential construction.

### Product Limitations

1. Exposure to excessive or continuous moisture and extreme temperature 52° C (125° F) should be avoided during all phases and life cycle of the board.
2. Store indoors and off ground surface.
3. Boards should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.
4. Storing board lengthwise leaning against framing is not recommended.
5. This board is nonstructural and should not be used as a nailing base to support heavy wall-mounted objects.
6. Maximum insulation load: 1.3 psf with 24" o.c. framing and 2.2 psf with 16" o.c. framing.
7. Maximum framing spacing on walls and ceilings is 24" o.c. see chart below.
8. Abuse resistance performance on metal framing requires a minimum of 20 gauge metal and 16" oc to be the maximum framing spacing.
9. No material may be classified as mold-proof. Prolonged exposure to moisture can result in the growth of mold on any surface. The use of good design, proper handling, and construction practices is the best way to avoid issues.
10. Not suitable for use in high moisture areas such as tube and shower surrounds, gang showers and other areas subject to direct water exposure.

### Product Application

**Protec M+M+AR Type X** should be installed according to ASTM E840. For partitions requiring a fire rating fastener spacing, board orientation and other details must be according to the applicable published details within the UL/ULC directories.

### Board Decoration

**Protec M+M+AR Gypsum Board** is designed to accept most types of paints, texture and wall covering materials. The surface should be primed and sealed with a full bodied quality latex primer before applying a decorative material. This will equalize the suction variation between the joint compounds and the paper surface. If glossy paints are used in areas such as kitchens or bathrooms, a thin skim coat of compound over the entire surface is recommended to reduce highlighting or joint photographing. This method is also recommended in areas of severe side lighting of either natural or artificial light sources. Joint treatment must be thoroughly dry before proceeding with primer-sealer application and final decoration.

### Product Specification and Data

**Protec M+M+AR Gypsum Board** is manufactured to meet or exceed the requirements of: ASTM C1396 Section 7, and CAN/CSA A82.27, Gypsum Board.

Installation according to CAN/CSA A82.31, Gypsum Board Application, and Installation Standards, ASTM C840, and specific UL/ULC requirements.

Mold Resistance: ASTM D3273 scored 10, and per ASTM G21 scored 0.

Water Absorption: ASTM C473 scored <5%

Surface Burning Characteristics: Flame Spread Rating of 15, Smoke Developed 0 per ASTM E84 or CAN/ULC-S102.

5/8" (16mm) **Protec M+M+AR Type X** is cUL and ULC classified.

Fire resistance tests in accordance with ASTM E119 and CAN/ULC-S101.

Non-combustible core when tested in accordance to ASTM E136 or CAN/ULC S114.

Type	<b>Protec M+M+AR (Type X)</b>
Thickness	5/8" (15.9 mm)
Width	4' (1220 mm)
Lengths	*8' (2440 mm) to 12' (3660mm)
Edges	Tapered
Packaging	Two pieces per bundle, face-to-face and end taped.

\* Special lengths may be available, consult nearest Cabot Gypsum sales office.

### Submittal Approvals

Job Name: \_\_\_\_\_

Contractor: \_\_\_\_\_

Approved: \_\_\_\_\_ DATE \_\_\_\_\_

MAXIMUM FRAMING SPACING (Wood or Metal)			
	SINGLE PLY APPLICATION	APPLICATION	MAXIMUM O.C. SPACING FRAMING
*Ceilings	5/8" or 16mm	Perpendicular to Framing	24" o.c. or 600mm
Ceilings	5/8" or 16mm	Parallel to Framing	24" o.c. or 600mm
Sidewalls	5/8" or 16mm	Horizontal or Vertical	24" o.c. or 600mm

**Abuse Resistance Testing Data**

Test Description	Tested in Accordance with	Classification Level Achieved
Surface Abrasion Resistance		*Level 2
Indentation Resistance	ASTM C1629	Level 1
Soft Body Impact		Level 2
Hard Body Impact		Level 1

Note: \* Level 3 can be achieved by painting the surface with one coat of primer and two finish coats of latex paints.

**Limited Warranty**

Cabot Gypsum expressly warrants the products described herein to be free from defects at the time of shipment. Except for such express warranties, Cabot Gypsum makes no warranty, express or implied, and all warranties of merchantability, fitness for a particular purpose, and other warranties are disclaimed and excluded by Cabot Gypsum. Except for the breach of such express warranties, Cabot Gypsum shall not,

under any circumstances, be liable for any imperfection, deviation from specifications or other defect impairing the quality, value or suitability of any product. In no event shall Cabot Gypsum be liable for consequential, special or contingent damages or other claims or demands, except to the extent of the purchase price of the product, the refund of which shall be the purchaser's exclusive remedy

Any claims by purchaser for defective products must be made in writing within 30 days after the purchaser's receipt of shipment and in all events before installation is commenced. Cabot Gypsum shall have the right at its option to replace or repair any defective products, to refund the purchase price or to grant a reasonable allowance on account of such defects.

**Cabot Gypsum Company**

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The specifications herein contain the best information we have relating to our products and the recommended uses of our products are based on tests believed to be reliable. These specifications all supersede previous issues and are subject to change without notice.

