

Type X Core Board Product Description

Cabot Type X Core Gypsum Board has a core of noncombustible; dimensionally stable gypsum rock sandwiched between a face layer of 100% recycled ivory colored paper and a brown-back paper. The core is enhanced with glass fibers to offer greater strength and fire protection for interior walls and ceilings. The face paper is formed along each edge, wrapped around and sealed to the brown paper on the back side. This produces a strong yet flexible panel in convenient width and lengths to meet most commercial/residential construction requirements for wall and ceiling substrates.

Cabot Type X Core Gypsum Board comes from the factory as a ready-to-finish product. After installation, the ends, edges, corners and fastener heads are concealed with joint treatment systems to produce a smooth seamless surface prior to final decoration.

Cabot Type X Core Gypsum Board can be used for most walls, partitions and ceilings in both new commercial and residential construction and remodeling work.

Cabot Type X Core Gypsum Board is an excellent barrier to the transmission of noise and thermal energies but must be installed in the proper thickness and method that has been tested to achieve the desired rating as per Standard Specification for Application and Finishing of Gypsum Board, ASTM C 840, applicable standards and references.

Product Specification

Cabot Type X Core Gypsum Board is manufactured to meet or exceed the requirements of ASTM C1396 and CAN/CSA A82.27 and Installation Standards ASTM C840

Product Limitations

1. Exposure to excessive or continuous moisture and extreme temperature 52° C (125° F) should be avoided.
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.

Product Data

Surface Burning Characteristics: Flame Spread Rating of 5, Smoke Developed 0 per ASTM E 84 or Can/ULC-S102.

Thickness: 5/8"(16mm)
 Width: 4' (1220 mm)
 Lengths: 8' (2440 mm) - 12'(3660mm)
 Edges: Tapered, Square Packaging:
 Two pieces per bundle, face-to-face and end taped.
 Special lengths may be available, consult your nearest Cabot sales office.

Product Application

Cabot Type X Gypsum Board can be applied to wood framing with drywall nails or Type W screws and with special adhesives in combination with supplemental fasteners. Gypsum Board may also be applied to light gauge metal framing with self-tapping Type S screws. See Tables I and II for framing and fastener minimal spacing details.

Since Cabot Type X Core Gypsum Board is specified in many different fire rated assemblies it is not possible to generalize where a fire rating is required. Each test varies on board direction, number of board layers, framing type or spacing, and fastener type and length. This critical information is detailed in the UL/ULC current Fire Resistant Directories and the applicator shall be governed by the parameters set out. The applicator must also be governed by the ASTM Standards that describe other important factors such as steel framing members, fasteners for both steel and wood, and installation and finishing of the gypsum board panels.

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.

Board Decoration

Cabot Type X Core Gypsum Board is designed to accept most types of paints, texture and wall covering materials. It is, however, strongly recommended that 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, then 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. A sealer application under wallpaper or other wall covering is also recommended so that 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.

MAXIMUM FRAMING SPACING (Wood or Metal)

	SINGLE PLY THICKNESS	APPLICATION	MAXIMUM FRAMING MEMBERS O.C. SPACING
*Ceilings	5/8" or 16mm	Right Angles to Framing	24"o.c. or 600mm
	5/8" or 16mm	Parallel to Framing	16"o.c. or 400mm
Sidewalls	5/8" or 16mm	Horizontal or Vertical	24"o.c. or 400mm

*On ceilings to receive a spray-applied water based texture, gypsum board shall be installed at right angles to framing.

SINGLE PLY APPLICATION¹				
NAILS: ASTM C 514 nails for the Application of Gypsum Wallboard SCREWS: ASTM C 1002 Specification for Steel Drill Screws for Application of Gypsum Board				
NAIL APPLICATION			SCREW APPLICATION	
Wallboard Thickness 5/8"	Nail Length 1 3/8"	Spacing Walls 8" Ceilings 7"	Screw Length 1 1/4"	Spacing Wall ² Ceilings 16" 12"
1. Refer to UL/ULC requirements; spacing above shall be considered minimal. 2. Where framing members are spaced 24" oc., screws should be a maximum of 12" oc				

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.

ULC rated assembly approval ULC Design No. [W319](#)

cUL tests approved tests for use in Canada:

5/8 in. thick, 4 ft wide, Type X for use in Design Nos. [U301](#), [U302](#), [U305](#), [U309](#), [U321](#), [U326](#), [U330](#), [U332](#), [U338](#), [U339](#), [U341](#), [U342](#), [U351](#), [U354](#), [U355](#), [U356](#), [U357](#), [U358](#), [U360](#), [U364](#), [U369](#), [U379](#), [U405](#), [U411](#), [U418](#), [U420](#), [U421](#), [U425](#), [U434](#), [U442](#), [U449](#), [U450](#), [U460](#), [U465](#), [U466](#), [U475](#), [U477](#), [U487](#), [U494](#), [U531](#), [U609](#), [U623](#), [U626](#), [U633](#), [U637](#), [U646](#), [U647](#), [U648](#), [U651](#), [U652](#), [V419](#), [V420](#), [V421](#), [V430](#), [V432](#), [V434](#).

See Volume I of UL Fire Resistance Directory for illustrations of designs and fire resistance ratings. Trademark and/or Tradename: "Cabot Gypsum"

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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.