



## Cabot BlueGlass Sheathing

### Description

[Cabot BlueGlass Sheathing](#) was developed for commercial and residential applications where the product's performance will not be compromised due to extended exposure (up to twelve months) under normal weather conditions (as herein defined) during construction. "Normal weather conditions" shall mean climatic normal weather with usual high and low temperatures, with occasional moderate rain and wind.

Abnormal weather shall mean severe wind and/or rain, hail, cascading rain, earthquakes, tornadoes, hurricanes, floods, and similar or like conditions.

[Cabot BlueGlass Sheathing](#) is comprised of a proprietary formula which provides a fire-resistant and water resistant gypsum core, that has been reinforced with glass fibres to increase its resilience. The product is encased in a mold-resistant coated fibreglass mat distinguishable by the blue colored fibreglass mat facer bearing the name [Cabot BlueGlass Sheathing](#) printing with the same blue colored back mat. The coated glass mats are dimensionally stable and resist warping, rippling, buckling and sagging due to fluctuations in temperature and/or humidity. These panels feature a square edge formation with the ends cut square.

### Primary Uses

[Cabot BlueGlass Sheathing](#) is designed for mechanical attachment to the framing using nails or screws. This product can be used as a substrate for exterior claddings such as wood siding, shingles, panel siding, vinyl or metal siding, masonry or brick veneer, conventional cement-stucco systems and Exterior Insulation and Finish Systems (EIFS). In adhesive or mechanical application as per the Cladding Manufacture. Notwithstanding anything contained herein, exterior claddings and their application methods shall be the responsibility of the cladding manufacturer. Consult the local building code when a water-resistive barrier or vapor retarder is required. [Cabot BlueGlass Sheathing](#) is suitable for pre-work prior to building enclosure resistance is required. This product is not designed to have joints taped or treated.

### Advantages

- Exposure: extended resistance to typical weather conditions not exceeding twelve (12) months after application.
- Mold Resistant: mitigates mold and mildew growth.
- Noncombustible gypsum board is naturally fire-resistive.
- Dimensionally stable: resists warping, sagging, buckling.
- Suitable for walls and exterior ceilings as well as pre-work prior to building enclosure.

### Limitations

- Is designed for mechanical attachment only to the wall framing using either nails or screws. Construction of fire-resistance rated design assemblies shall be in accordance with the construction details specified in the referenced fire-resistance rated design. Do not use as a nailing base.
- Is not a finished surface, but a substrate that shall be covered by exterior wall cladding and is not intended for joint treatment or paint.
- Is not a structural product, and not a replacement for structurally engineered sheathing requiring shear resistance.
- Shall be properly flashed at openings and located so that no joint will align with an edge of an opening. Joints shall be staggered.
- Holes and cutouts for pipes or fixtures, or other small openings, shall be properly protected by means such as flashing or caulking.
- Check with local code for requirements for sealing horizontal joints.

### Storage and Handling

Store all Cabot Gypsum products flat; do not store on edge as panels are heavy and may fall over causing injury or death. Store in an area that offers protection from adverse weather conditions, condensation, and other forms of moisture. Avoid job site conditions that expose gypsum board to water or moisture. Plastic shipping bags are temporary, and intended for protection during transit only, and must be removed promptly upon arrival. Store gypsum board under protected cover, off the ground with sufficient support to prevent sagging. Exercise proper care to avoid impact, scuffing of the glass faces, undue flexing, and damage to board edges, corners and ends.

### Application

[Cabot BlueGlass Sheathing](#) shall be installed according to ASTM C1280.

### Mold and Water Resistance

[Cabot BlueGlass Sheathing](#) has been engineered with special chemistries that provide enhanced water and mold resistant protection in gypsum panel products. In independent laboratory tests per ASTM D3273 (Standard Test Method for Resistance Surface of Interior Coatings in an Environmental Chamber) Cabot Glass Sheathing products achieve a 10 rating, the highest level of performance for this test method. No Material may be classed as mold-proof. Prolonged exposure can result in the growth of mold or mildew on any surface. The use of good design, with proper handling and construction practices, is the most effective and best method to minimize mold. This includes avoiding water exposure during all phases of the project, such as: storage, handling, shipping, and product installation and system maintenance both before and after project completion.

### Fire Resistance Rating

ANSI / UL 263 CAN / ULC S101M Fire Resistance Rated Designs are promulgated from tests performed at IAS\* certified independent testing laboratories, and these designs include specific materials assembled in precise configuration. When choosing construction details to achieve specific fire resistance rated requirements care must be taken to insure that each component of the specified assembly is the proper one specified in the referenced fire resistance rated design, and assembled in accordance with the specific requirements of the assembly. \*(The International Accreditation Service-IAS- is a non-profit, public benefit corporation and a leading accreditation body in the United States. Internationally recognized, accreditation by IAS makes it easier to market products and services both inside and outside the United States.)

Product	UL Core Type	Thickness	Width	Length <sup>a</sup>	Weight <sup>b</sup>
Cabot BlueGlass Sheathing	N/A	1/2" (12.7 mm)	48" (1219 mm)	8' 2438 mm)	2.0 lbs/sq ft
Cabot BlueGlass Sheathing Type X	PG-5WS	5/8" ( 15.9 mm)			2.55 lbs/sq ft

Packaging: Stacked and palletized Edge type square

a. Length availability may change; other lengths may be available on special order basis. Consult with you local Cabot Gypsum representative.

b. Represents approximate weight for design and shipping purposes. A more exact weight may be available for your area; consult with your local Cabot representative.

Cabot BlueGlass Sheathing	1/2"	5/8"
Manufacturing	ASTM C 1177 ASTM C 1396	
Installation	ASTM C 1280	
Mold Resistance	ASTM D 3273, 10 (highest rating)	
Surface Burning Characteristics	ASTM E 84 Flame Spread 0; Smoke Developed 0	
Combustibility	ASTM E 136, Non-Combustible	
Permeance (perms;ng/PA.s.m <sup>2</sup> ) (ASTM E 96)	19.9	11.9
Flexural Strength, Load lbf (N) (ASTM C473):		
Perpendicular to substrate edge	100	140
Parallel to substrate edge	80	100
Humidified deflection (ASTM C473)	1/8" (3mm)	1/8" (3mm)
Water Absorption (ASTM C473)	10% maximum	10% maximum
Compressive strength (psi minimum) (ASTM C472)	400 psi	500 psi
Thermal resistance R value (ASTM C518)	0.42	0.7
Composition	Coated fiberglass mat, gypsum core	
Material Safety Data Sheets	MSDS available at <a href="http://www.cabotgypsum.com">www.cabotgypsum.com</a>	
Recycled Content	Available at <a href="http://www.cabotgypsum.com">www.cabotgypsum.com</a>	

## 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.



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.

## Cabot Gypsum Company

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 16.07.2014

**Submittal**  
**Approvals**

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

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

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