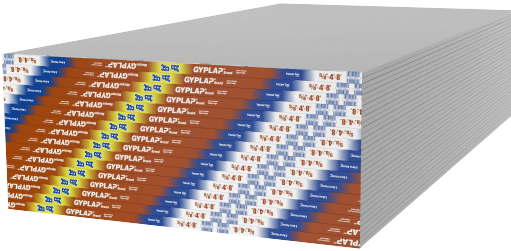


# CGC GYPLAP® BRAND TREATED CORE GYPSUM SHEATHING Regular and Firecode® X



**12.7 mm (1/2 in.) Regular and 15.9 mm (5/8 in.) Type X gypsum sheathing with moisture and mould resistance, and noncombustable gypsum core for improved fire resistance**

- 15.9 mm (5/8 in.) CGC Gyplap® Brand Treated Core Gypsum Sheathing Firecode® Core, meets requirements for Type X Gypsum Board.
- Treated gypsum core combined with water repellent face and back offers exceptional water-resistance.
- Complies with ASTM C1396, *Standard Specification for Gypsum Board*, for 12.7 mm (1/2 in.) and 15.9 mm (5/8 in.).
- Scores a "10" when tested in accordance with ASTM D3273, *Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber*.
- Underwriters Laboratories Inc. (cUL) Classification of 12.7 mm (1/2 in.) panels as to surface-burning characteristics and noncombustibility.
- cUL Classification of 15.9 mm (5/8 in.) panels as to fire resistance, surface-burning characteristics and noncombustibility.

## DESCRIPTION

Available in 12.7 mm (1/2 in.) and 15.9 mm (5/8 in.) thicknesses, CGC Gyplap® Brand Treated Core Gypsum Sheathing are lightweight sheathing panels with moisture and mould resistance. CGC Gyplap® Treated Core Gypsum Sheathing is a weather and fire-resistant board designed to combine excellent performance with exceptional economy. It is used in wood and light steel frame construction under many exterior finishes, such as brick veneer, properly detailed Exterior Insulation Finish Systems (EIFS), clapboard siding, panel siding and conventional siding. Its noncombustible gypsum core adds fire safety not available with plywood or wood fibre sheathing. CGC Gyplap® Treated Core Gypsum Sheathing has a water-resistant core treatment that is clad in water repellent paper on the face and back surfaces.

## INTENDED FOR

- Commercial or residential applications where 12.7 mm (1/2 in.) Regular or 15.9 mm (5/8 in.) Type X sheathing panels are required.
- Areas where gypsum sheathing panels are desired in new or repair and remodel construction.
- Use in most exterior systems when properly detailed by exterior finish manufacturer.
- Exterior claddings where conventional gypsum sheathing products have traditionally been used, such as brick veneer, properly detailed Exterior Insulation Finish Systems (EIFS), clapboard siding, panel siding and conventional siding.
- 15.9 mm (5/8 in.) Type X panels can be used in load-bearing and non-load-bearing wood- or steel-framed fire-rated wall applications.

## LIMITATIONS

1. Must be stored off the ground and under cover in accordance with Gypsum Association's GA-801 *Handling and Storage of Gypsum Panel Products*.
2. Avoid sustained exposure to temperatures exceeding 52°C (125°F).
3. Maximum stud spacing is 610mm (24 in.).
4. These panels offer resistance to normal weather conditions, but are not intended for constant exposure to water. Protect panels from immersion in water and eroding effects of cascading, pooling and/or ponding water.
5. Avoid conditions during construction that result in excessive moisture load in the building. High moisture can cause condensation in the unfinished exterior walls during periods of cold weather. Forced air heaters, wet masonry, poured concrete and finishing materials introduce large volumes of water vapour into the building as they cure or dry. Use ventilation and mechanical dehumidification to reduce moisture levels to below the dew point temperature of the exterior air. Any damage resulting from insufficient interior moisture management during construction is not responsibility of CGC Inc.

## LIMITATIONS, CONT.

6. When applied to a structure, sheathing must not be left exposed to the elements for more than one month unless the procedure as outlined in Limitation 7 (below) is followed.
7. For curtain wall construction, it is recommended that all gaps resulting from cuts, corners, joints, and machine end cuts of the sheathing be filled with a good grade exterior caulk at the time of erection, to protect the sheathing core from the elements. A 75 mm (3 in.) wide exterior tape can also be used to seal the joints. Apply any horizontal perforated or cut edge with the cut edge down. Compliance with this practice will allow in place exposure time of 6 months. Building felt or equal, attached at time of sheathing erection, properly lapped and immediately anchored, can be used in lieu of an exterior caulk.
8. Panels are not to be used as a base for nailing or other fastening; mechanical attachment of exterior claddings must be made directly to the framing.
9. Panels are not to be directly laminated to masonry surfaces; use furring strips or framing.
10. Panels are not intended as a substrate for adhered tile applications.
11. Use of CGC Gylap Treated Core Gypsum Sheathing for exterior ceilings and soffits is not recommended. For these applications, use CGC Sheetrock® Brand Mold Tough® (Paper-faced or Glass-mat) or CGC Securock® Brand Glass-Mat Sheathing.

## EXTERIOR INSTALLATION

Panels shall be installed in accordance with Gypsum Association's GA-253, *Application of Gypsum Sheathing*, ASTM C1280, *Standard Specification for Application of Gypsum Sheathing* and the requirements of CGC literature.

Details for construction of a specific assembly to achieve a required fire-resistance-rating shall be installed in accordance with the published design.

Details and requirements pertaining to framing and application limitations shall be controlled by the weather-resistive barrier requirements, cladding, structural or fire-resistance-rated system, and must be approved by the architect, engineer or design professional of record. Liquid or peel and stick weather barrier systems shall be applied to panels in strict accordance with manufacturer requirements.

Where resistance to racking shear and/or transverse wind load is required, system design capacities shall be obtained from published CGC literature, engineering evaluations and/or test reports of a specific assembly where mandated by local code requirements.

## TEST DATA 12.7 mm (1/2 in.)

Property		Test Method	Requirement	Regular
<b>Noncombustibility</b>		CAN/ULC-S114	Noncombustible	Meets
<b>Surface-burning characteristics</b>	Flame spread	CAN/ULC-S102	Flame Spread Index, not greater than 25	20
	Smoke developed	CAN/ULC-S102	N/A	0
<b>Core hardness</b>	Field	ASTM C473 (B)	Not less than 11 lbf (49 N) <sup>1</sup>	Meets
	End	ASTM C473 (B)	Not less than 11 lbf (49 N) <sup>1</sup>	Meets
	Edge	ASTM C473 (B)	Not less than 11 lbf (49 N) <sup>1</sup>	Meets
<b>Flexural strength</b>	Parallel	ASTM C473 (B)	Not less than 36 lbf (160 N) <sup>1</sup>	Meets
	Perpendicular	ASTM C473(B)	Not less than 107 lbf (476 N) <sup>1</sup>	Meets
<b>Humidified deflection</b>		ASTM C473	Not greater than 1-1/4 in. (32 mm) <sup>1</sup>	Meets
<b>Nail pull resistance</b>		ASTM C473 (B)	Not less than 77 lbf (343 N) <sup>1</sup>	Meets

### Notes:

1. Per ASTM C1396 for 12.7 mm (1/2 in.) gypsum sheathing board.

15.9 mm (5/8 in.)

Property		Test Method	Requirement	UL Type SHX
<b>Noncombustibility</b>		CAN/ULC-S114	Noncombustible	Meets
<b>Surface-burning characteristics</b>	Flame spread	CAN/ULC-S102	Flame Spread Index, not greater than 25	20
	Smoke developed	CAN/ULC-S102	N/A	0
<b>Core hardness</b>	Field	ASTM C473 (B)	Not less than 11 lbf (49 N) <sup>2</sup>	Meets
	End	ASTM C473 (B)	Not less than 11 lbf (49 N) <sup>2</sup>	Meets
	Edge	ASTM C473 (B)	Not less than 11 lbf (49 N) <sup>2</sup>	Meets
<b>Flexural strength</b>	Parallel	ASTM C473 (B)	Not less than 46 lbf (205 N) <sup>2</sup>	Meets
	Perpendicular	ASTM C473 (B)	Not less than 147 lbf (654 N) <sup>2</sup>	Meets
<b>Humidified deflection</b>		ASTM C473	Not greater than 5/8 in. (16 mm) <sup>2</sup>	Meets
<b>Nail pull resistance</b>		ASTM C473 (B)	Not less than 87 lbf (387 N) <sup>2</sup>	Meets

**Notes:**

2. Per ASTM C1396 for 15.9 mm (5/8 in.) gypsum sheathing board.

**MOISTURE AND MOULD RESISTANCE**

Based on testing per ASTM C473, *Test Methods for Physical Testing of Gypsum Panel Products*, the average water absorption for CGC Gylap® Treated Core Gypsum Sheathing (Regular and Firecode® X) is not greater than 10% by weight after two-hour immersion.

In independent lab tests conducted per ASTM D3273 at the time of manufacture, the panels score a "10", meeting ASTM C1396 specifications. This ASTM lab test may not accurately represent the mould performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mould.

To manage the growth of mould, the best and most cost-effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices.

**PRODUCT DATA**

	Regular	UL Type SHX
<b>Thickness</b>	12.7 mm (1/2 in.)	15.9 mm (5/8 in.)
<b>Lengths</b>	2438 mm (8 ft.)	2438 mm (8 ft.)
<b>Width</b>	1219 mm (4 ft.)	1219 mm (4 ft.)
<b>Weight<sup>3</sup> nominal</b>	8.7 kg/m <sup>2</sup> (1.8 lb./sq. ft.)	11.4 kg/m <sup>2</sup> (2.3 lb./sq. ft.)
<b>Edges</b>	Square	Square

**Notes:**

3. Represents approximate weight for design and shipping purposes. For specific product weight in your area, contact your local CGC representative or call the Customer Service Centre at 800 387-2690 (English) or 800 361-1310 (French).

## COMPLIANCE

- Complies with ASTM C1396 for 12.7 mm (1/2 in.) Regular, 15.9 mm (5/8 in.) Type X water-resistant gypsum sheathing board.
- cUL Classification of 12.7 mm (1/2 in.) panels as to surface-burning characteristics and noncombustibility.
- cUL Classification of 15.9 mm (5/8 in.) panels as to fire-resistance, surface-burning characteristics and noncombustibility.

## SUBMITTAL APPROVALS

<b>Job Name</b>	
<b>Contractor</b>	<b>Date</b>

### PRODUCT INFORMATION

See [cgcinc.com](http://cgcinc.com) for the most up-to-date product information.

### CAUTION

Dust may cause irritation to eyes, skin, nose, throat, and upper respiratory tract. Cut and trim with a utility knife or hand saw to minimize dust levels. Power tools must be equipped with a dust collection system. Wear eye, skin, and respiratory protection if necessary. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call a physician. Do not swallow. If swallowed, call a physician. For more information please visit [cgcinc.com](http://cgcinc.com) to view the Safety Data Sheet (SDS).

**KEEP OUT OF REACH OF CHILDREN.**

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### NOTICE

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### SAFETY FIRST!

Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read Safety Data Sheets and related literature on products before specification and/or installation.

800 387-2690 - English  
800 361-1310 - French  
[cgcinc.com](http://cgcinc.com)

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