CertainTeed

Type C

Gypsum Board

Product Description

CertainTeed Type C Gypsum Board is an interior gypsum board consisting of a solid set, fire-resistive, Type C gypsum core enclosed in ivory-colored face paper and a strong liner back paper. CertainTeed Type C board features a specially formulated Type X core providing superior fire performance when used in specific fire-rated Type C assemblies. Long edges are slightly tapered, allowing joints to be reinforced and concealed with joint tape and joint compound. CertainTeed Type C Gypsum Board is available in a variety of lengths and widths.

Basic Uses

CertainTeed Type C Gypsum Board is used for interior walls and ceilings in residential and commercial applications requiring extended fire ratings. It can be used for new construction or renovations over wood or steel framing. They are typically nailed or screwed to studs spaced 16″ (400 mm) or 24″ (610 mm) o.c., but can be applied by laminating or with the use of an adhesive.

Advantages

- UL / cUL / ULC fire rated assemblies up to four hours.
- Consistently high quality.
- Uniformly flat, attractive appearance.
- High edge hardness.
- No wavy edges, warps, bows or deformities.
- Uniform high-strength cores eliminate crumbling, cracking.
- Edge tapers consistent to form perfect joints.
- Excellent thermal barrier and sound attenuation qualities.
- GREENGUARD Gold Certified

Product Data

Thickness: 1/2″ (12.7 mm)
5/8″ (15.9 mm)

Width: 4′ (1220 mm) standard

Length:
1/2″ – 12′ (3660mm) Standard
5/8″ – 8′, 9′, 10′, 12′ Standard
(2440, 2740, 3050, 3660 mm)

Weight (nominal):
1/2″ (12.7 mm) – 1.9 psf (9.3 kg/m²)
5/8″ (15.9 mm) – 2.3 psf (11.2 kg/m²)

Edge: Tapered, paper bound – factory finished

Packaging: Two pieces per bundle, face-to-face and end-taped

Custom lengths may be available on special order Consult your CertainTeed sales representative.

Technical Data

Surface Burning Characteristics

CertainTeed Type C Gypsum Board has a Flame Spread rating of 15 and Smoke Developed rating of 0, in accordance with ASTM E84, (UL 723, CAN/ULC-S102). ULC 0/0.

Fire Resistance

Fire resistance tests are conducted in accordance with ASTM E119, (ANSI/UL 263, CAN/ULC-S101).

For fire resistance rating, refer to the Gypsum Association Fire Resistance Design Manual and UL Fire Resistance Directory or ULC Fire Resistance List of Equipment and Materials.

CertainTeed Type C meets and exceeds the Type X requirements of ASTM C1396 and CAN/CSA-A82.27 at same thickness.

UL/cUL/ULC Type Designation

Type C

Applicable Standards and References

- Manufactured to meet ASTM C1396 and CAN/CSA-A82.27
- ASTM C840
- Gypsum Association GA-216
- Gypsum Association GA-214
- International Building Code (IBC)
- National Building Code of Canada (NBCC)
- IRC International Residential Code

Job Name

Contractor   **Date**

Products Specified:

Submittal Approvals
(Stamps or Signatures)

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Installation

Limitations

- Exposure to continuous moisture or extreme temperatures should be avoided. Not recommended for continuous exposure to temperatures exceeding 125° F (52° C).

- Framing spacing should not exceed 24″ (610 mm) o.c.

- Should be stored indoors and off ground surface.

- Boards should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.

- Storing board lengthwise leaning against the framing is not recommended.

- Boards should be carried, not dragged, to place of installation to prevent damaging finished edges.

- Cutting and scoring should be done from the face side.

- 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.

- CertainTeed Type C can be substituted in an equivalent thickness in any fire-resistance rated assembly specifying Type X.

- Where CertainTeed Type C is specified to attain a fire resistance rating, CertainTeed Type X of equivalent thickness cannot be substituted.

Recommendations

Installation of CertainTeed Type C Gypsum Boards should be consistent with methods described in the standards and references noted. Cutting should be from the face side of the boards for best results.

Decoration

CertainTeed Type C Gypsum Board accepts most types of paints, texture and wall covering materials. The surface shall be primed with a full-bodied latex primer before applying a final decorative material. This will equalize the suction between the joint compounds and the paper surface.

For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. If glossy paints are used, a thin skim coat of compound over the entire surface, Level 5 finish, is recommended to reduce highlighting or joint photographing. This method is also recommended for areas of critical sidelighting of natural or artificial light sources.

A sealer application under wallpaper or other wall covering is also recommended so 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.

BIM/CAD Information

The BIM and CAD UL fire rated assemblies and sound assemblies can be found on CertainTeed's BIM and CAD Design Studio at certainteed.concora.com. CertainTeed's BIM and CAD Design Studio provides BIM and CAD details to many UL fire rated assemblies and sound assemblies in easy to view experience. Plus, downloadable Revit and DWG and PDF CAD Details are available.

Sustainability

Sustainable documentation, including recycled content, EPD's, HPD's, VOC Certifications, can be found at certainteed.ecomedes.com.

Notice

The information in this document is subject to change without notice. CertainTeed assumes no responsibility for any errors that may inadvertently appear in this document.

For Fire Resistance, no warranty is made other than conformance to the standard under which the assembly was tested. Minor discrepancies may exist in the values of ratings, attributable to changes inmaterials and standards, as well as differences between testing facilities. Assemblies are listed as "combustible" (wood framing) and "noncombustible" (concrete and/or steel construction).

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