

coreX TYPE X GYPSUM BOARD

Product Data and Submittal Sheet

Description

COREX Type X Gypsum Board is a type of interior gypsum board which has additional fire resistance over regular gypsum boards.

COREX Type X has a fiber reinforced core which has increased strength and improved fire resistance ratings in higher fire rate assemblies.

COREX Type X's improved gypsum core encased in %100 recycled back and front paper. The ivory facer folds around the long edges and the back is covered by strong gray paper liner.

COREX Type X gypsum board is 5/8" thick and complies with ASTM C1396. The long edges are slightly tapered and the ends are square cut with smooth finish.

Basic Uses

- Residential and commercial applications requiring a minimum of 1 hour fire-resistance rating
- New or renovation construction over wood or steel framing

Advantages

- **COREX Type X** is easy to handle. It can be cut and fastened with standard drywall tools and fasteners.
- Uniform high-strength cores eliminates cracking and also crumbling.
- **COREX Type X** provides installation guide marks on the ivory-face both for 16" (405 mm) and 24" (610 mm) o.c.

Limitations

- **COREX Type X** Gypsum Board is for internal applications only.
- Framing spacing should not exceed 24" (610 mm) o.c.
- **COREX Type X** Gypsum Board is nonstructural product and should never be used as a nailing base or to support heavy wall mounted objects. It is not for load-bearing design.
- Exposure to excessive, repetitive or continuous moisture before, during and after installation must be avoid.
- **COREX Type X** is unsuitable for use in areas subject to continuously damp or humid conditions. The designers should take care to eliminate all possibility of problems caused by humidity and condensation.
- **COREX Type X** Gypsum Board must not be installed where the temperature may exceed 125°F (52°C), for an excessive amount of time and must be installed while the ambient temperature at the time of installation is between 40°F and 95°F (4°C and 35°C)

Maximum Frame Spacing (Wood or Steel)

Application Method		Max. Frame Spacing
Ceilings	Single Layer	16" oc.(406 mm)
	Double Layer	24' oc.(610 mm)
Walls	Single Layer	24' oc.(610 mm)

Storage and Handling

- Boards should be stacked flat.
- Handle with care to prevent sagging and/or damaging the surfaces, edges and ends.
- Gypsum board must be kept dry to prevent the growth of mold.
- Working environment or job site conditions which may expose the product to water or moisture must be fully avoided. Gypsum board must be stored in dry areas which protects it from condensation, and other forms of moisture.
- Gypsum board must be stored under protective cover and off the ground.
- Sufficient risers must be used to assure support for the entire length of the gypsum board to prevent sagging.

Technical Data

Manufactured sheet with gypsum core, encased in paper. Various additives are added to the core to improve fire resistance.

Flame spread rating of 0 and smoke developed 5, when tested in accordance with ASTM E84-20.

COREX Type X core is noncombustible when tested in accordance with ASTM E136-19a.

COREX Type X fully complies with ASTM E119.

Physical Properties

Thickness, Nominal (*)	5/8" (15.9 mm)
Width, Nominal (*)	4' (1,219 mm)
Length, Standard (*)	6' - 12' (1828 mm - 3657 mm)
Weight, Nominal	~ 2.2 lbs./sq. ft. (~ 10.7 kg/m ²)
Edges (*)	Tapered
Flexural Strength, Perpendicular (*)	≥ 147 lbf. (654 N)
Flexural Strength, Parallel (*)	≥ 46 lbf. (205 N)
Humidified Deflection (*)	≤ 5/8" (15.9 mm)
Nail Pull Resistance (*)	≥ 87 lbf. (387 N)
Hardness – Core, Edges and Ends (*)	≥ 11 lbf. (49 N)
Thermal Resistance	R=0.56 ft ² •°F•hr/BTU (0.10 m ² •K/W)
Product Standard Compliance	ASTM C1396-17
Core Type	Type X
Surface Burning Characteristics (**)	Flame Spread 0 Smoke Developed 5
Combustibility (***)	Non-combustible Core
Packaging	Face-to-face 26 pieces per bundle,

(*) Specified minimum values are as defined in ASTM C1396, tested in accordance with ASTM C473-19

(**) Tested in accordance with E84-20

(***) Tested in accordance with 136-19a

Compliance

- Certified by Intertek to comply with ASTM C1396 for 5/8 in. (15.9 mm) gypsum board, Type X.
- Tested as to fire resistance, surface-burning characteristics and non combustibility by Intertek Laboratories.
- **COREX Type X** Gypsum Board may be applied according to the ASTM C840.
- Consistent with the tested construction details for Type X Gypsum Board for fire resistance rated construction applications.
- With GREENGUARD Gold Certification and qualifies as a low VOC emitting material.

Installation Recommendations

- Installation of **COREX Type X** Gypsum Boards should be consistent with methods described in the standards.
- Maintain a room temperature of not less than 40°F (4°C) during application of gypsum board. Adhesive application must be performed at more than 50°F (10°C).
- Cutting should be from the face side of the boards for best results.