Gold Bond[®] eXP[®] Shaftliner

Technical Information 800.NATIONAL • 800.628.4662

DESCRIPTION

Gold Bond® eXP® Shaftliner consists of an enhanced moisture- and mold-resistant Type X gypsum core encased in a coated, specially designed PURPLE fiberglass mat on the face, back and sides. The glass mat is folded around the long edges to reinforce and protect the core.

For ease of installation, the long edges of eXP Shaftliner are double beyeled.

BASIC USES

Applications

Use eXP Shaftliner to construct lightweight fire barriers for cavity shaftwalls (1-4 hr.) and area separation fire walls (2-3 hr.).

eXP Cavity Shaftwall Systems: These systems enclose elevator, horizontal shafts and chase walls in buildings where it isadvantageous to erect these walls from one side only. **eXP** Shaftliner is the right choice when designing for fire resistance and changing air pressure. Shaftwalls are non-load-bearing partitions made up of gypsum board and metal framing, These systems are lightweight and economical compared with conventional shaftwalls.

eXP Area Separation Wall Systems: These systems are a popular method for constructing today's multifamily housing units. These assemblies will be exposed to outdoor elements during the building process, and eXP Shaftliner features a coated glass mat facer and gypsum core that can provide increased protection.

Advantages

- · Approved component in specific UL fire-rated designs.
- Resists the growth of mold per ASTM D3273 with a score of 10, the best possible score.
- Provides superior water resistance, without impeding vapor transmission.
- · Scores and snaps to exact size without sawing.
- Dimensionally stable under changes in temperature and relative humidity and resists warping, rippling, buckling and sagging.
- Offers a 12-month extended exposure warranty for typical weather conditions. Refer to Gold Bond Building Products, LLC limited warranties for further details.
- Fiberglass mat on face and back has special coating for easy handling.
- Achieves UL GREENGUARD Gold Certification for low chemical emissions into indoor air during product usage. For more information, visit: ul.com/gg.

INSTALLATION RECOMMENDATIONS

General

Install eXP Shaftliner consistent with methods described in specific application details in the Cavity Shaftwall Systems or Area Separation Wall System sections of the NGC Construction Guide, or with other fire-resistance-rated designs.

Safety

Installers should wear long pants and a long-sleeved, loose fitting shirt. Use protective gloves and special eye protection (goggles or safety glasses with side shield). Wear a dust mask when sanding; you may need additional breathing protection in extremely dusty conditions. Do not use a power saw to cut this product.

Caution: Because this product contains fiberglass, dust and glass fibers may be released during normal handling, which could result in eye or skin irritation or cause difficulty in breathing. Whenever possible, avoid contact with the skin and eyes and avoid breathing dust or fibers that may be released during installation. Consult the SDS for this product, available at goldbondbuilding.com before use.

LIMITATIONS

- · Avoid exposure to excessive or continuous moisture.
- Avoid exposure to extreme temperatures. Do not expose glass mat gypsum panels to temperatures exceeding 125°F (52°C) for extended periods of time.
- . Do not use eXP Shaftliner Panels in an unlined air supply duct.
- Refer to height limitations in the applicable NGC Construction Guide section.
- Isolate gypsum panels from contact with building structure in locations where structural movement may impose direct loads on gypsum panel assemblies.
- eXP Shaftliner is weather resistant, but do not immerse in water and do not subject to cascading water conditions.

Jak Name	
Job Name	
Contractor	Date
Submittal Ap	oprovals: (Stamps or Signatures)



Gold Bond eXP Shaftliner

TECHNICAL DATA

Tickness*, Nominal 1° (25.4 mm) Width*, Nominal 2° (610 mm) Length**, Standard 8° - 12′ (2.438 mm - 3.658 mm) Weight, Nominal 3.75 lbs./sq., ft. (18.31 k/m²) Edges* Double Beveled Flexural Strength*, Perpendicular ≥ 200 lbf. (10.23 N) Flexural Strength*, Parallel ≥ 80 lbf. (356 N) Humidified Deflection* N/A Mail Pull Resistance* ≥ 80 lbf. (356 N) Hardness* - Core, Edges and Ends ≥ 15 lbf. (67 N) Thermal Resistance* R = .65 Water Absorption* (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10° in./im./%RH Coefficient of Thermal Expansion 9.26 x 10° in./im./m?F Mold Resistance*, ASTM D3273 Score of 10 Product Standard Compliance Tipe X Eira-Resistance Characteristics* Type X Ut Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics* Class A STM C518 Standard Test Method for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State T	Physical Properties	eXP Shaftliner
Length L**, Standard 8" − 12" (2.438 mm − 3,658 mm) Weight, Nominal 3.75 lbs./sa, ft. (16.31 k/m²) Edges¹ Double Beveled Flexural Strength*, Perpendicular ≥ 230 lbf. (1.023 N) Flexural Strength*, Parallel ≥ 80 lbf. (356 N) Humidified Deflection¹ N/A Nair Pull Resistance¹ ≥ 80 lbf. (356 N) Hardness¹ - Core, Edges and Ends ≥ 15 lbf. (67 N) Thermal Resistance¹ R = .65 Water Absorption¹ (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10° in./in./%RH Coefficient of Thermal Expansion 9.26 x 10° in./in./%RH Coefficient of Thermal Expansion 8.5 MC 10° in./in./%RH Coefficient of Derecteristics Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistance Characteristics Type X UL Type Designation FSW-7 Combustibility¹ Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread¹ 0 Smoke Development¹ 0 ASTM C133 Standard Test Method for Fusedy-State Thermal Transmission P	Thickness ¹ , Nominal	1" (25.4 mm)
Begint, Nominal 3.75 lbs./sq. ft. (18.31 k/m²) Edges¹ Double Beveled Flexural Strength¹, Perpendicular ≥ 230 lbf. (1,023 N) Flexural Strength¹, Parallel ≥ 80 lbf. (356 N) Humidified Deflection¹ N/A Nail Pull Resistance¹ ≥ 80 lbf. (356 N) Hardness¹ - Core, Edges and Ends ≥ 15 lbf. (67 N) Thermal Resistance³ R = .65 Water Absorption¹ (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10 ° in./in./%RH Coefficient of Thermal Expansion 9.26 x 10 ° in./in./%F Mold Resistances², ASTM D3273 Score of 10 Product Standard Compliance TSM* (1658 Fire-Resistance Characteristics Type X UL Type Designation TSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics² Class A Flame Spread³ 0 Sonke Development³ 0 ASTM C473 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C485 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus <th>Width¹, Nominal</th> <th>2' (610 mm)</th>	Width¹, Nominal	2' (610 mm)
Edges* Double Beveled Flexural Strength*, Perpendicular ≥ 230 lbf. (1,023 N) Flexural Strength*, Parallel ≥ 80 lbf. (356 N) Humidified Deflection* N/A Nail Pull Resistance* ≥ 80 lbf. (356 N) Hardness* - Core, Edges and Ends ≥ 15 lbf. (67 N) Thermal Resistance* R = .65 Water Absorption* (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10* in./in./%RH Coefficient of Thermal Expansion 8.26 x 10* in./in./FR Mold Resistance*, ASTM D3273 Score of 10 Product Standard Compliance Type X Fire-Resistance Characteristics Type X Out Type Designation FSW-7 Combustibility* Non-combustible Core Surface Burning Characteristics* Class A Surface Burning Characteristics* Class A ASTM C16518 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C8108 Standard Test Methods for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C1658 Standard Test Method for Steady-State Thermal Transmission Properties Standard Specification for Class Mate Gypsum Panel	Length ^{1,4} , Standard	8' – 12' (2,438 mm – 3,658 mm)
Flexural Strength', Perpendicular Flexural Strength', Parallel a 80 lbf. (156 N) Mail Pull Resistance¹ a 80 lbf. (356 N) Hardness' - Core, Edges and Ends Hardness' - Core, Edges and Ends B = .65 Water Absorption' (% of Weight) Linear Expansion with Change Moisture 6.25 x 10-4 in./in./i%RH Coefficient of Thermal Expansion Mold Resistance', ASTM D3273 Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistanto Characteristics Core Type Type X UL Type Designation Combustibility' Non-combustibility' Non-combustibility Core Surface Burning Characteristics' Class A Flame Spread' Class A Flame Spread' Class A Flame Spread' ASTM C343 Standard Test Method for Physical Testing of Gypsum Panel Products ASTM C340 Standard Specification for Application and Finishing of Gypsum Board ASTM C340 Standard Test Method for Physical Testing of Gypsum Board ASTM C340 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E36 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E36 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E36 Standard Test Method for Bea	Weight, Nominal	3.75 lbs./sq. ft. (18.31 k/m²)
Flexural Strength', Parallel ≥ 80 lbf. (356 N) Humidified Deflection¹ NI/A Nail Pull Resistance² ≥ 80 lbf. (356 N) Hardness² - Core, Edges and Ends ≥ 15 lbf. (67 N) Thermal Resistance² R = .65 Water Absorption¹ (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10* in./in./%RH Coefficient of Thermal Expansion 9.26 x 10* in./in./in./FR Mold Resistance³, ASTM D3273 Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistance Characteristics Five X Ut Type Designation FSW-7 Corn Sype Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C473 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C480 Standard Specification for Aglass Mat Gypsum Panels ASTM C480 Standard Specification for Aglassian and Finishing of Gypsum Board ASTM C480 Standard Test Method for Resistance to Growth of Mold on the SUTACTER Standard Test Method for P	Edges ¹	Double Beveled
Humidified Deflection¹ N/A Nail Pull Resistance¹ ≥ 80 lbf. (356 N) Hardness¹ - Core, Edges and Ends ≥ 15 lbf. (67 N) Thermal Resistance³ R = .65 Water Absorption¹ (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10 ⁴ in./in./%RH Coefficient of Thermal Expansion 9.26 x 10 ⁴ in./in./%RH Mold Resistance⁴, ASTM D3273 Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistance Characteristics Very Core Type U. Type Dasignation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 Smoke Development³ 0 ASTM C183 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C184 Standard Test Methods for Physical Testing of Gypsum Panel Properties by Means of the Heat Flow Meter Apparatus ASTM C185 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C185 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber	Flexural Strength ¹ , Perpendicular	≥ 230 lbf. (1,023 N)
Nail Pull Resistance¹ ≥ 80 lbf. (356 N) Hardness¹ - Core, Edges and Ends ≥ 15 lbf. (67 N) Thermal Resistance² R = .65 Water Absorption¹ (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10.4 in./in./%RH Coefficient of Thermal Expansion 9.26 x 10.4 in./in./%F Mold Resistance², ASTM D3273 Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistance Characteristics Core Type Type X UL Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics² Class A Flame Spread¹ 0 Smoke Developmen¹ 0 Applicable Standard References ASTM C183 standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C183 Standard Test Method for Steady-State Thermal Trensmission Properties by Means of the Heat Flow Meter Apparatus ASTM C1840 Standard Specification for Class Mat Gypsum Panel ASTM C185 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C837 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C840 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C858 Standard Test Method for Paper Standard Standard Test Method for Presentiance of Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C840 Standard Test Method for Presentiance of Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C850 Standard Test Method for Beaviror of Materials ASTM C840 Standard Test Method for Beaviror of Materials ASTM C840 Standard Test Method for Beaviror of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Flexural Strength ¹ , Parallel	≥ 80 lbf. (356 N)
Hardness' - Core, Edges and Ends ≥ 15 lbf. (67 N) Thermal Resistance² R = .65 Water Absorption' (% of Weight) ≤ 5% Water Absorption' (% of Weight) 6.25 x 10⁴ in./in./%RH Coefficient of Thermal Expansion 9.26 x 10⁴ in./in./%RH Coefficient of Thermal Expansion Mold Resistance³, ASTM D3273 Score of 10 Product Standard Compliance Fire-Resistance Characteristics Core Type Type X UL Type Designation FSW-7 Combustibility² Non-combustibile Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 AsTM C130 Standard and References ASTM C313 Standard Test Method for Physical Testing of Gypsum Panel Products ASTM C318 Standard Specification for Application and Finishing of Gypsum Board ASTM C380 Standard Specification for Glass Mag Cypsum Panels ASTM C373 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C373 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C380 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E38 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E38 Standard Test Methods for Water Vapor Transmission of Materials ASTM E19 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Humidified Deflection ¹	N/A
Thermal Resistance³ R = .65 Water Absorption' (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10³ in./in./%RH Coefficient of Thermal Expansion 9.26 x 10³ in./in./%F Mold Resistance³, ASTM D3273 Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistance Characteristics Type X Ut. Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C1658 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C1658 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E19 Standard Test Methods for Water Vapor Transmission of Mater	Nail Pull Resistance ¹	≥ 80 lbf. (356 N)
Water Absorption¹ (% of Weight) ≤ 5% Linear Expansion with Change Moisture 6.25 x 10* in./in./%RH Coefficient of Thermal Expansion 9.26 x 10* in./in./%F Mold Resistance6, ASTM D3273 Score of 10 Product Standard Compliance TSMT C1658 Fire-Resistance Characteristics Core Type Type X UL Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Filame Spread³ 0 Smoke Development³ 0 ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C168 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C168 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C168 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C168 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental	Hardness¹ – Core, Edges and Ends	≥ 15 lbf. (67 N)
Linear Expansion with Change Moisture 6.25 x 10-6 in./in./%RHH Coefficient of Thermal Expansion 9.26 x 10-8 in./in./%F Mold Resistance's, ASTM D3273 Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistance Characteristics Type X UL Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C580 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C168 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C1680 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E184 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E195 Standard Test Methods for Water Vapor Transmission of Materials ASTM E136 Standard Test Methods for Behavior of Materials in a Vertical Tube Furnace at 750°C <	Thermal Resistance ⁵	R = .65
Coefficient of Thermal Expansion 9.26 x 10-4 in./in./°F Mold Resistance ⁴ , ASTM D3273 Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistance Characteristics Core Type Type Type X UL Type Designation FSW-7 Combustibility ² Non-combustible Core Surface Burning Characteristics ³ Class A Flame Spread ³ 0 Smoke Development ³ 0 ASTM C1473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C473 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E195 Standard Test Method for Stera of Building Construction and Materials ASTM E195 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Water Absorption ¹ (% of Weight)	≤ 5%
Mold Resistance*, ASTM D3273 Score of 10 Product Standard Compliance ASTM C1658 Fire-Resistance Characteristics Type X UL Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 ASTM C473 Standard References ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C1658 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C1658 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C1658 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E184 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E195 Standard Test Methods for Water Vapor Transmission of Materials ASTM E196 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E13	Linear Expansion with Change Moisture	6.25 x 10 ⁻⁶ in./in./%RH
Product Standard Compliance Fire-Resistance Characteristics Core Type Type X UL Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 ASTM C473 Standard Fest Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E96 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Coefficient of Thermal Expansion	9.26 x 10 ⁻⁶ in./in./°F
Type X UL Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 APPLICABING ATTERIST MEthods for Physical Testing of Gypsum Panel Products ASTM C473 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C518 Standard Specification for Application and Finishing of Gypsum Panels ASTM C1658 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C9373 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C940 Standard Test Methods for Water Vapor Transmission of Materials ASTM C940 Standard Test Methods for Water Vapor Transmission of Materials ASTM C940 Standard Test Methods for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM C940 Standard Test Methods for Water Vapor Transmission of Materials ASTM C940 Standard Test Methods for Water Vapor Transmission of Materials ASTM E196 Standard Test Methods for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Mold Resistance ⁶ , ASTM D3273	Score of 10
Core Type Type X UL Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 ASTM C473 Standard Set Methods for Physical Testing of Gypsum Panel Products ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM C1658 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Product Standard Compliance	ASTM C1658
UL Type Designation FSW-7 Combustibility² Non-combustible Core Surface Burning Characteristics² Class A Flame Spread³ 0 Smoke Development³ 0 ASTM C473 Standard sand References ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Fire-Resistance Characteristics	
Combustibility² Non-combustible Core Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 Applicable Standards and References Image: Company of the Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C473 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C818 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Core Type	Type X
Surface Burning Characteristics³ Class A Flame Spread³ 0 Smoke Development³ 0 Applicable Standards and References ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	particular was early construct to the construction to	FSW-7
Flame Spread³ 0 Smoke Development³ 0 Applicable Standards and References ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	Combustibility ²	Non-combustible Core
Applicable Standards and References ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		Class A
ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		0
ASTM C473 Standard Test Methods for Physical Testing of Gypsum Panel Products ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		0
ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		
ASTM C840 Standard Specification for Application and Finishing of Gypsum Board ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ASTM C1658 Standard Specification for Glass Mat Gypsum Panels ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		
ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	STATES OF THE STATES OF THE STATES AND A STA	
ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	28 5 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	
ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		
ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board	ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials	
ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		
Gypsum Association, GA-216, Application and Finishing of Gypsum Panel Products Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		
Gypsum Association, GA-238, Guidelines for Prevention of Mold Growth on Gypsum Board		
1 32 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERMITTED HOLD TO THE PERMITTED TO THE P	
Gold Bond Building Products, LLC Manufacturer Standards, NGC Construction Guide	10.4 February - 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	HINE COLUMN TO THE TOTAL COLUMN TO THE COLUM
	Gold Bond Building Products, LLC Manufacturer Standards, NGC Construction	on Guide

- 1. ASTM C1658, tested in accordance with ASTM C473.
- 2. Tested in accordance with ASTM E136.
- 3. Tested in accordance with ASTM E84.
- 4. Please contact your local sales representative for all non-standard lengths and widths. Minimum order requirements may apply.
- 5. Tested in accordance with ASTM C518.
- 6. Tested in accordance with ASTM D3273 and rated in accordance with ASTM D3274.



Gold Bond' eXP' Shaftliner

FOR MORE INFORMATION

Architectural Specifications

Gold Bond Building Products CSI MasterFormat® 3-part guide specifications are downloadable as editable Microsoft® Word documents at: goldbondbuilding.com.

Latest Technical Information and Update

Visit goldbondbuilding.com or call National Gypsum Company Construction Services: 1-800-NATIONAL (628-4662).



National Gypsum Company is the exclusive service provider for products manufactured by Gold Bond Building Products, LLC.

The eXP family of products is manufactured by Gold Bond Building Products, LLC.





Gold Bond Building Products, LLC 2001 Rexford Road Charlotte, NC 28211

704.365.7300 goldbondbuilding.com



National Gypsum Company is the exclusive service provider for products manufactured by Gold Bond Building Products, LLC,