



**Applications**

Weather Defense Platinum Shaftliner Type X is tested in a series of designs for a wide range of ceiling, wall and enclosure applications.

- Elevator enclosures
- Stairwell enclosures
- Mechanical enclosures for electrical, plumbing, HVAC and venting services
- Unlined shafts for return air handling
- Area separation fire walls

**Advantages**

**Low Installation Cost:** Compared to block construction, Weather Defense Platinum Shaftliner Type X is installed easily and quickly. It is lightweight and scores, cuts and fastens with ease.

**Mold Resistance:** Weather Defense Platinum Shaftliner Type X offers enhanced protection against the growth of mold and mildew on its surface and in its core.

**Weather Resistance:** Weather Defense Platinum Shaftliner Type X will provide protection in most applications from exposure to the elements for up to 12 months (subject to terms, conditions and exclusions of Lafarge's limited warranty).

JOB NAME:
CONTRACTOR:
DATE:

**Mold-, Mildew- and Fire-Resistant Shaftliner Board**

**WEATHER DEFENSE PLATINUM™ SHAFTLINER TYPE X**

**Lafarge Weather Defense Platinum Shaftliner Type X** is designed for use in lining elevator shafts, ventilation shafts, stairwells, for area separation walls in residential housing and for other interior building applications requiring fire resistance.

Weather Defense Platinum Shaftliner Type X has a specially formulated, non-combustible, mold-resistant gypsum core enhanced with glass fibers for strength and additional fire resistance. Its fiberglass matting eliminates paper, a potential food source for mold, and may help reduce remediation and scheduling delays making Weather Defense Platinum Shaftliner Type X a great alternative to traditional paper-faced shaftliners.

Weather Defense Platinum Shaftliner Type X panels are only one component of a shaft or area separation wall assembly. For fire-rated resistance, the panels must be used as required in the listed design. See the Lafarge Shaftwall design literature, or the Underwriters Laboratories (UL) listings.

**Weather Defense Platinum\***

Weather Defense Platinum offers enhanced protection against the growth of mold and mildew on its surface compared to ordinary drywall products. Under controlled testing conditions, Weather Defense Platinum achieved an average panel score of 10 out of a possible 10, the highest level of performance for mold resistance using ASTM D 3273. As with any building material, avoiding exposure to water during handling, storage and installation is the best way to avoid the formation of mold and mildew.

Note: Weather Defense Platinum Shaftliner Type X should not be used where temperatures exceed 125° F for extended periods or in areas of extreme humidity. Likewise, the board should be protected from

exposure to adverse conditions during storage and construction. Weather Defense Platinum Shaftliner Type X is not designed for exterior use or for the exposed element of an unlined air supply duct.



## Sustainability

Can contribute to the U.S. Green Building Council's LEED Credit Qualification in several credit categories to assist in obtaining LEED certification. Visit [www.lafargenorthamerica.com](http://www.lafargenorthamerica.com) for more details on specific credit contribution and documentation.



Limitations: Weather Defense Platinum is not designed as a finished surface or for the direct application of textures, paints or coatings. Weather Defense Platinum is not designed as a nailing base. Mechanical fastening should pass through Weather Defense Platinum and fasten to the framing members. Do not immerse Weather Defense Platinum in water or subject to cascading water.

\*Weather Defense Platinum provides extra resistance against the formation of mold, but no product may be considered "mold proof." The most effective way to avoid the formation of mold and mildew in drywall products is to limit or avoid water exposure during storage, construction and after construction is complete. Used in combination with appropriate design, handling, construction and installation practices, Weather Defense Platinum drywall can provide increased mold and mildew resistance on its surface. ASTM D 3273 is the "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber" and is performed under controlled laboratory conditions. Actual storage, handling, construction and installation conditions may vary from the environment created in the independent lab, and the use of the product in actual conditions may not replicate the ASTM results.

\*\*The federal specification for gypsum board, SS-L-30d, was withdrawn in 1984. It is provided here for information only and should not be referenced for new construction.



## Physical Characteristics

**Core:** Non-combustible, dimensionally stable, inert gypsum, enhanced with glass fibers for strength and fire resistance and chemically treated to resist mold and mildew in the core

**Facer:** Coated fiberglass; Water-repellent; Chemically treated to resist mold and mildew on the surface; Front, back and edges = platinum

**Long Edges:** Double beveled for ease of installation

**Recycled Content:** Over 90% by weight

## Standards and Codes

Weather Defense Platinum Shaftliner Type X is formulated to conform with ASTM C1658, Section 6, Type X and meets the properties of ASTM C 1396, Section 6, Gypsum Shaftliner Board and C 442, Type X; \*\*Federal Specification SS-L-30d, Type IV, Grade X; and CAN/CSA-A82.27-M.

## Technical Specifications

Underwriters Laboratories (UL) classified for surface burning (File No. R16102) (tested in accordance with ASTM E 84) Flame spread = 10; Smoke developed = 0

Core combustibility (tested in conformance with ASTM E 136) Non-combustible

UL classified for fire resistance (File No. R18482) as Type LGFCSL

## Installation

Install all components as specified by the listed designs. Consult the Lafarge Shaftwall and Area Separation Wall literature, Gypsum Association GA-600 Fire Resistance Design Manual and the UL Fire Resistance Directory. For general practices see GA-216 and ASTM C 840.

## Handling Recommendations

Stack flat, keep dry and lift (do not drag) to avoid scuffing. Avoid damage to edges. For detailed recommendations, see GA-216 and GA-801.

## Safety Precautions

Wear safety glasses and NIOSH-approved respirators during cutting, breaking, rasping or other dust-producing activities.

Material Safety Data Sheets (MSDS) are available for all Lafarge products upon request.

**Asbestos free**

## Available Sizes:

Nominal thickness	1 in.
Nominal width	2 ft.
Standard length	8 ft. to 12 ft.
Nominal weight	4 lbs./ft. <sup>2</sup>



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