



### Applications

Mold Defense 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
- Corridor ceilings
- Soffits

### Advantages

**Low Installation Cost:** Compared to block construction, Mold Defense Shaftliner Type X is installed easily and quickly. It cuts and snaps like standard drywall.

**Fire Resistance:** Mold Defense Shaftliner Type X is formulated to perform in accordance with ASTM C 1396, Section 6 and C 442, Type X and is UL labeled (Type LGFCSL).

**Mold Resistance:** Mold Defense Shaftliner Type X provides enhanced protection against the growth of mold and mildew.

## Mold- and Fire-Resistant Drywall

# MOLD DEFENSE<sup>®</sup> SHAFTLINER TYPE X

**Lafarge Mold Defense 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.

Mold Defense Shaftliner Type X has a specially formulated, non-combustible, mold- and moisture-resistant gypsum core enhanced with glass fibers for strength and additional fire resistance. It is covered with a green, water-repellent, mold- and mildew-resistant paper facing on the front, back and long edges.

Mold Defense 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.

### Mold Defense\*

Mold Defense offers enhanced protection against the growth of mold and mildew on its surface and in its core compared to ordinary drywall products. Under controlled testing conditions, Mold Defense achieved an average panel score of 10 out of a possible 10 using ASTM D 3273.

Lafarge Mold Defense products are compliant with the treated article exemption of FIFRA as determined by the U.S. Environmental Protection Agency (EPA).

Note: Mold Defense 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. Mold Defense Shaftliner Type X is not designed for exterior use or for the exposed element of an unlined air supply duct.

JOB NAME:

CONTRACTOR:

DATE:



bringing materials to *life*<sup>™</sup>

## 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.



\*Mold Defense 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, Mold Defense drywall can provide increased mold and mildew resistance on its surface and in its core. 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

**Paper:** 100% recycled; Water-repellent; Chemically treated to resist mold and mildew on the surface; Front, back and edges = green

**Long Edges:** Double beveled

**Asbestos free;** GREENGUARD certified

## Standards and Codes

Lafarge Mold Defense Shaftliner Type X is formulated to conform to 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

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, 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, refer to GA-216, GA-238 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.

## 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>



**Lafarge North America Inc.**  
Reston, Virginia 20191  
USA • (800) 237-5505

**Lafarge Canada Inc.**  
Montreal, Quebec H3B 1L7  
Canada • (866) 649-7786

[www.lafargenorthamerica.com](http://www.lafargenorthamerica.com)