



Applications

Protecta AR 100 Type X with Mold Defense is designed for use in interior areas where a higher resistance to abrasion, indentation and impact penetration is required. Applicable areas include:

- Schools and dormitories
- Hospitals
- Hotel lobbies
- Corridors
- Cafeterias
- Gymnasiums
- Mechanical/maintenance areas
- Other high-traffic and public areas

Advantages

High Abuse Resistance: Protecta AR 100 Type X with Mold Defense offers better indentation and abrasion resistance than regular drywall products, thus reducing costs associated with maintenance and replacement.

Low Installation Cost: Compared to block construction, Protecta AR 100 Type X with Mold Defense is installed easily and quickly. It cuts and snaps like standard drywall.

Fire Resistance: Protecta AR 100 Type X with Mold Defense is formulated to perform in accordance with ASTM C 1396, Section 5 and C 36, Type X and is UL labeled. (Type LGFC6A).

Mold Resistance: Protecta AR 100 Type X with Mold Defense provides enhanced protection against the growth of mold and mildew.

Abuse-, Fire- and Mold-Resistant Drywall

PROTECTA® AR 100 TYPE X WITH MOLD DEFENSE®

Lafarge Protecta AR 100 Type X with Mold Defense is an abuse-resistant drywall consisting of a fiberglass-enhanced, non-combustible, high-density gypsum core with a reinforced heavy facing paper which guards against surface abrasion, indentation, mold and mildew. The ivory facing paper will accommodate a wide variety of decorative treatments after proper surface preparation.

Protecta AR 100 is designed for use in applications that require direct mechanical attachment to wood or metal framing or as a component of fire-rated assemblies.

To ensure optimum Type X fire-resistant performance, follow recommended installation procedures. When used in a certified sound-rated assembly, Protecta AR 100 will also contribute to required sound transmission classification (STC) values.

Mold Defense*

Mold Defense offers enhanced protection against the growth of mold and mildew 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: Protecta AR 100 Type X with Mold Defense is suitable for interior applications

only and 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.

Protecta AR 100 Type X with Mold Defense is not intended to be used as a ceramic tile wall backing in wet areas or floor underlayment.

JOB NAME:
CONTRACTOR:
DATE:

Available Sizes	
Nominal thickness	5/8"
Nominal width	4ft.
Standard length	8 ft. to 12 ft.
Nominal weight	2.8 lbs./ft. ²



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 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

Paper: 100% recycled; Abuse-, mold- and mildew-resistant; Front and edges = ivory, back = gray

Edge Type: Tapered

Asbestos free; GREENGUARD certified, listed as a low-emitting material with the Collaborative for High Performance Schools (CHPS); and MAS Certified Green

Test Results per ASTM C 1629

Soft Body Impact	210 ft. lbs.	Level 2
ASTM E 695		

Surface Abrasion	0.020"	Level 2
ASTM D 4977 (modified)		

Surface Indentation	.133"	Level 1
ASTM D 5420		

Hard Body Impact	70 ft. lbs.	Level 1
ASTM C 1629		

Standards and Codes

Protecta AR 100 Type X with Mold Defense is formulated to perform in accordance with ASTM C 1629, C 1396, Section 5 and C 36, Type X; **Federal Specification SS-L-30d, Type III, Grade X; NYC MEA # 204-08-M; and CAN/CSA-A82.27-M, Type X.

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 LGFC6A

Installation

When installed on steel studs, 20 gauge or heavier studs should be used. Studs (wood or metal) should be 16" o.c. maximum. Otherwise, install according to Gypsum Association publication GA-216, Application and Finishing of Gypsum Board, or ASTM C 840, Standard Specification for Application and Finishing of Gypsum Board. For fire-rated construction, consult GA-600, Fire Resistance Design Manual, UL Fire Resistance Directory or the Lafarge Selector Guide. A vertical installation is generally suggested to achieve higher impact resistance performance.

Painting and Decorating

For best results, a good gypsum board primer should be applied in accordance with manufacturer's instructions before painting or before any textured material is applied.

Handling and Finishing

Stack flat, keep dry and lift (do not drag) to avoid scuffing. Avoid damage to edges. For detailed recommendations, refer to GA-216 and GA-801. Refer to GA-214 for more finishing recommendations.

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.

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