

CONTINENTAL™
BUILDING PRODUCTS



Applications

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: 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, installs easily and quickly. It cuts and snaps like standard drywall.

Fire Resistance: Formulated to perform in accordance with ASTM C1396/C1396M, Section 5, Type X and is UL labeled (Type LGFC6A).

Mold Resistance: Provides enhanced protection against the growth of mold and mildew.

ABUSE-, FIRE- AND MOLD-RESISTANT DRYWALL

PROTECTA® AR 100 TYPE X WITH MOLD DEFENSE®

Continental Building Products 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 Type X with Mold Defense 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 resistance performance, follow recommended installation procedures for fire-rated assemblies. When used in a certified sound-rated assembly, Protecta AR 100 Type X with Mold Defense will also contribute to required sound transmission classification (STC) values.

Continental's Mold Defense products are compliant with the treated article exemption of FIFRA as determined by the U.S. Environmental Protection Agency (EPA). 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 D3273.*

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 for use as a tile backer in shower, tub and other wet areas. It may be used as a tile backer in dry areas.

Test Results per ASTM C1629

Soft Body Impact	210 ft. lbs.	Level 2
Surface Abrasion	< 0.010"	Level 3
Surface Indentation	0.133"	Level 1
Hard Body Impact	70 ft. lbs.	Level 1

JOB NAME: _____

CONTRACTOR: _____

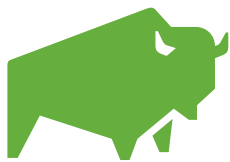
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Sustainability

Can contribute to the U.S. Green Building Council's LEED Credit Qualification in several credit categories to assist in obtaining LEED certification.



*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 and 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 D3273 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.



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USA (800) 237-5505
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www.continental-bp.com

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

Long Edges: Tapered

Asbestos free and GREENGUARD certified

Standards and Codes

Manufactured to meet ASTM C1396/C1396M, Section 5, Type X; Abuse Resistant per ASTM C1629; Mold Resistant per ASTM D3273; CAN/CSA-A82.27-M, Type X; and NYC MEA # 204-08-M.

Technical Specifications

UL classified for surface burning (File No. R16102) (per ASTM E84 and CAN/ULC-S102) Flame spread = 0; Smoke developed = 0; Meeting IBC, Section 803.1, Class A

Core combustibility (per ASTM E136) Non-combustible

UL classified for fire resistance (File No. R18482) as Type LGFC6A per ASTM E119 and CAN/ULC-S101

Mold and mildew resistant (10 out of 10 score, ASTM D3273)*

Installation

When installed on steel studs, 30 mil (minimum 0.0296" base metal thickness) or thicker studs should be used. For use on 20 gauge EQ studs, contact the stud manufacturer. Otherwise, install according to Gypsum Association publication GA-216, Application and Finishing of Gypsum Board, or ASTM C840, Standard Specification for Application and Finishing of Gypsum Board. For fire-rated construction, consult GA-600, Fire Resistance Design Manual or the UL Fire Resistance Directory. A vertical installation is generally suggested to achieve higher impact resistance performance. Refer to GA-214 for more finishing recommendations.

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 Recommendations

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.

Safety Precautions

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

Safety Data Sheets (SDS) are available for all Continental products upon request.

Available Sizes:

Nominal thickness	5/8 in.
Nominal width	4 ft..
Standard length	8 ft.-12 ft.
Nominal weight	2.8 lbs./ft. ²

