

EXTREME IMPACT

IMPACT RESISTANT DRYWALL PANEL

Job Name _____

Contractor _____

Date _____

Products Specified _____

PRODUCT DESCRIPTION

Extreme Impact Resistant Drywall Panel with M2Tech® is used for interior wall and ceiling applications which require high impact durability and enhanced moisture and mold resistance. Extreme Impact contains fiberglass mesh reinforcement within a specially formulated, dense, non-combustible, fire-resistant Type X gypsum core, reinforced by glass fiber and enclosed in a 100% recycled moisture and mold resistant face and back paper. This combination affords greater resistance to abuse and sound transmission in high traffic areas compared to standard gypsum panels. Extreme Impact Drywall Panel is also made with proprietary M2Tech® paper which improves indoor air quality by providing enhanced moisture and mold resistance. Joint finishing is accomplished by using normal drywall finishing techniques according to GA-214 Levels of Drywall Panel Finish. Once primed, walls may be painted, wallpapered or textured for the desired look.

BASIC USES

Extreme Impact is used for interior walls and ceilings in residential, commercial or institutional applications where improved surface abrasion, indentation and impact resistance is required. It can be used for new construction or renovations over wood or steel framing.

FOR USE IN IMPACT PRONE AREAS

Extreme Impact provides the highest level of protection for impact and abuse areas in high traffic applications such as hospital corridors, gymnasiums, utility rooms, airport terminals and public buildings. It contains a specially designed fiberglass reinforcement to provide superior resistance to impact and penetrations.

ADVANTAGES

- Achieves highest level of classification for soft and hard body impacts.
- Greater resistance to abuse and impact than standard drywall panels.
- Lightweight, fast installation with smaller footprint versus concrete masonry units.
- Easier to cut versus ASTM C1278 fiber-reinforced gypsum products.
- M2Tech paper provides additional zone of protection against mold growth.
- Achieves best possible score of 10 for mold resistance per ASTM D3273.
- Handles like standard drywall panels.
- Type X fire-resistant gypsum core.
- GREENGUARD® Gold Certified
- Improved sound attenuation over standard drywall panels.



PRODUCT DATA

| PROPERTIES | IMPACT RESISTANT DRYWALL PANEL |
|------------|--|
| Thickness | 5/8" (15.9 mm) Type X |
| Width | 4' (1220 mm) |
| Length | 8', 10', 12' Standard (2440, 3050, 3660 mm) |
| Weight | 2.8 lb/ft ² (13.7 kg/m ²) |
| Edges | Tapered |
| Packaging | Two pieces per bundle, face-to-face and end-taped |

Custom lengths may be available on special order. Consult your CertainTeed sales representative.

TECHNICAL DATA

| APPLICABLE STANDARDS AND REFERENCE | |
|--------------------------------------|---|
| Product Standard | ASTM C1396 |
| Installation Guidelines | ASTM C840 / GA-216 |
| Finishing Guidelines | ASTM C840 / GA-214 |
| Abuse Resistant Classification Level | C1629 |
| Code References | International Building Code (IBC) |
| Code References | International Residential Code (IRC) |
| Code References | National Building Code of Canada (NBCC) |
| UL/ULC Designation | Type X-1 |

| PHYSICAL PROPERTIES | 5/8" (15.9 MM) EXTREME IMPACT TYPE X | TEST METHOD |
|---|--|----------------------------------|
| Nominal Width | 4' (1220 mm) | - |
| Standard Lengths | 8' (2440 mm), 10' (3050 mm), 12' (3660 mm) | - |
| Face Surface | Paper | - |
| Weight - lb/ft ² (kg/m ²) | 2.8 lb/ft ² (13.7 kg/m ²) | - |
| Edge Profile | Tapered | - |
| Surface Burning Characteristics - Flame Spread | 15 (0) | ASTM E84 / UL 723 (CAN/ULC-S102) |
| Surface Burning Characteristics - Smoke Developed | 0 (0) | ASTM E84 / UL 723 (CAN/ULC-S102) |
| Surface Burning Characteristics | Class A | ASTM E84 / UL 723 (CAN/ULC-S102) |
| Combustibility | Non-Combustible | ASTM E136 |
| Mold Resistance | 10 out of 10 | ASTM D3273 |
| Surface Abrasion | Level 3* | ASTM C1629 (ASTM D4977) |
| Indentation Resistance | Level 1 | ASTM C1629 (ASTM D5420) |
| Soft Body Impact | Level 3 | ASTM C1629 |
| Hard Body Impact | Level 3 | ASTM C1629 |
| Nail Pull | ≥ 87 lbf (387 N) | ASTM C473 (Method B) |
| Core Hardness - End | ≥ 11 lbf (49 N) | ASTM C473 (Method B) |
| Core Hardness - Edge | ≥ 11 lbf (49 N) | ASTM C473 (Method B) |
| Flexural Strength - Parallel | ≥ 46 lbf (205 N) | ASTM C473 (Method B) |
| Flexural Strength - Perpendicular | ≥ 147 lbf (654 N) | ASTM C473 (Method B) |
| Humidified Deflection | ≤ 5/8" (16 mm) | ASTM C473 |

*Results are reflective of samples prepared with 1 coat primer and 1 coat semi-gloss latex paint

INSTALLATION

LIMITATIONS

- Where 5/8" (15.9 mm) Type C is specified to attain a fire resistance rating, Extreme Impact cannot be substituted.
- Maximum framing spacing as per the International Building Codes and National Building Code of Canada recommended application standards and design listings.
- To reduce potential installation issues such as screw spin-out on lighter gauge studs, minimum of 20 gauge studs (0.0296 in. [0.752 mm] design thickness) are recommended.
- Avoid exposure to water or excessive moisture during transportation, storage, handling, during or after installation. Good design and construction practices that prevent water and moisture exposure of building products are the most effective strategy to avoid the growth of mold.
- Not recommended for exterior application.
- Extreme Impact is not recommended for areas which will be continuously wet or subjected to high humidity such as tub and shower enclosures behind tile, saunas, steam rooms or public showers.
- Not recommended for continuous exposure to temperatures exceeding 125°F (52°C).
- Store indoors and off ground surface. Panels should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.
- Storing panels lengthwise leaning against the framing is not recommended.
- Panels should be carried, not dragged, to place of installation to prevent damaging finished edges.
- Cutting and scoring should be done from the face side.
- In cold weather or during joint finishing temperatures within the enclosure should stay within the range of 50° to 95°F (10° to 35°C) and with sufficient ventilation to carry off excess moisture.

ABUSE RESISTANCE CLASSIFICATION LEVELS

| ASTM C1629 | SURFACE ABRASION | INDENTATION RESISTANCE | SOFT BODY IMPACT | HARD BODY IMPACT |
|----------------------|------------------|------------------------|------------------|------------------|
| ASTM Test Method | C1629 | C1629 | C1629 | C1629 |
| Classification Level | 3* | 1 | 3 | 3 |

*Results are reflective of samples prepared with 1 coat primer and 1 coat semi-gloss latex paint

DECORATION

CertainTeed Extreme Impact accepts water based acrylic (latex) and epoxy paints, primers, textures and breathable wallpapers. The surface shall be primed and sealed with a full-bodied latex primer before applying a final decorative material. This will equalize the suction between the joint compounds and the paper surface.

For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. If glossy paints are used a Level 5 finish, is recommended to reduce highlighting or joint photographing. This method is also recommended for areas of critical sidelighting of natural or artificial light sources.

A sealer application under breathable wallpaper or other wall covering is also recommended so the board surface will not be damaged, if the covering is subsequently removed during redecorating.

Joint treatment must be thoroughly dry before proceeding with primersealer application and final decoration

BIM/CAD INFORMATION

The BIM and CAD UL fire rated assemblies and sound assemblies can be found on CertainTeed's BIM and CAD Design Studio at bimlibrary.saint-gobain.com/certainteed. CertainTeed's BIM and CAD Design Studio provides BIM and CAD details to many UL fire rated assemblies and sound assemblies in easy to view experience. Plus, downloadable Revit and DWG and PDF CAD Details are available.

SUSTAINABILITY

Sustainable documentation, including recycled content, EPD's, HPD's, VOC Certifications, can be found at saintgobain.ecomedes.com.

NOTICE

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For Fire Resistance, no warranty is made other than conformance to the standard under which the assembly was tested. Minor discrepancies may exist in the values of ratings, attributable to changes in materials and standards, as well as differences between testing facilities. Assemblies are listed as "combustible" (wood framing) and "noncombustible" (concrete and/or steel construction).

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CertainTeed

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