

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 mould resistance. Extreme Impact contains fibreglass mesh reinforcement within a specially formulated, dense, non-combustible, fire-resistant Type X gypsum core, reinforced by glass fibre and enclosed in a 100% recycled moisture and mould-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 mould 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 installations 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 fibreglass 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 fibre-reinforced gypsum products.
- M2Tech paper provides additional zone of protection against mould growth.
- Achieves best possible score of 10 for mould 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	EXTREME IMPACT 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)
Combustibility	Non-Combustible	ASTM E136
Mould 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 33 mils (0.0329"/0.836 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 mould.
- 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, EPDs, HPDs, VOC Certifications, can be found at saintgobain.ecomedes.com.

NOTICE

The information in this document is subject to change without notice. CertainTeed assumes no responsibility for any errors that may inadvertently appear in this document.

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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