



Building Supplies

Walls & Ceilings Specialists
Spécialistes des murs et plafonds

7 Tristan Court · Nepean ON · K2E 8A4
613 224 9980 · info@morinbros.ca

Submittal

Tuesday, June-18-19

CONTRACTOR:
Soubliere Interiors Ltd.
3085 Green Pine Court
Cumberland, ON
K4C 1R9

PROJECT :
Meridian
Ottawa, ON

SHOP DRAWING REVIEW

- REVIEWED
- REVIEWED AS NOTED
- REVISE AND RESUBMIT



"This review is for the sole purpose of ascertaining conformance with the general design concept for architectural features only, and does not in any way constitute review of the design of engineering elements which form part of the Contract Documents prepared by others. This review shall not mean that the Architect approves the detail design inherent in the shop drawings. This responsibility shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawings or of his responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to fabrication processes, or to techniques of construction and installation and for co-ordination for the work of all trades."

By: Bryan Bonell Date: July 25, 2019
HOBIN ARCHITECTURE INCORPORATED

✓ Reviewed by TAL-co (FB) - 02 July, 2019.



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Index

Drywall (Includes: ① Regular Gypsum Board, and ② Type X Gypsum Board).

Grid & Tiles (Includes: ③ USG Pebbled Acoustic Panels, and ④ Rockfon Chicago Metallic Trim).

Insulation (Includes: ⑤ CertainTeed Batt Insulation, and ⑥ PolyTarp A/V Barrier).

⊛ Missing? Metal Studs for Garage Ceiling U/s repairs.



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Drywall

CertainTeed

Regular Gypsum Board

Product Data and Submittal

Product Description

CertainTeed Regular Gypsum Boards are an interior gypsum board that consist of a solid set, fire-resistive gypsum core enclosed in ivory colored face paper and liner back paper. Long edges are slightly tapered, allowing joints to be reinforced and concealed with joint tape and joint compound. CertainTeed Regular Gypsum Boards are available in a variety of lengths and widths.

Basic Uses

CertainTeed Regular Gypsum Board is used for interior walls and ceilings in standard residential or commercial applications. It can be used for new construction or renovations over wood or steel framing. It is typically nailed or screwed to studs spaced 16" (400 mm) or 24" (610 mm) o.c., but can be applied by laminating or with the use of an adhesive.

CertainTeed 54" (1370 mm) Regular is intended for horizontal application on tall walls, eliminating one horizontal joint. Fewer joints means less time spent finishing and a smoother, flatter wall.

For 9' walls, two courses of CertainTeed 54" (1370 mm) Regular would be used. For 8'6" walls, one course of CertainTeed 54" (1370 mm) Regular would be used in combination with one course of 48" (1220 mm) CertainTeed Regular gypsum board. This eliminates the taping and filling of one joint over the total wall circumference.

Advantages

- Uniformly flat, attractive appearance; no shadows.
- High edge hardness.
- No wavy edges, warps, bows or deformities.
- Uniform high-strength cores eliminate crumbling, cracking.
- Edge tapers consistent to form perfect joints.
- Excellent thermal barrier and sound attenuation qualities.

Limitations

- Exposure to continuous moisture or extreme temperatures should be avoided. Not recommended for continuous exposure to temperatures exceeding 125°F (52°C).
- Ceiling framing spacing should not exceed 16" (400 mm) o.c.

- Wall framing spacing should not exceed 24" (610 mm).
- Store indoors and off ground surface.
- Boards should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.
- Storing board lengthwise leaning against the framing is not recommended.
- Boards 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.

Product Data

Thicknesses: 1/4" (6.4 mm), 3/8" (9.5 mm), 1/2" (12.7 mm)

Widths: 4' (1220 mm) standard; 54" (1370 mm)

Lengths: 8' to 12' (2440 to 3660 mm) standard

Continued on back

Job Name _____

Contractor _____

Date _____

Products Specified: _____

Submittal Approvals
(Stamps or Signatures)

CertainTeed
SAINT-GOBAIN

Weight (approx.):

1/4" (6.4 mm) – 1.13 lb/ft² (5.5 kg/m²)

3/8" (9.5 mm) – 1.25 lb/ft² (6.1 kg/m²)

1/2" (12.7 mm) – 1.60 lb/ft² (7.8 kg/m²)

Core: Gypsum (noncombustible)

Edges: 1/2" boards are available in square and tapered edge. 1/4" and 3/8" are available in 4' x 8' (1220 mm x 2440 mm) and tapered edge only.

End: Square – factory cut

Packaging: Two pieces per bundle, face-to-face and end-taped

Special widths, lengths or edges may be available on special order. Consult your CertainTeed sales representative.

Technical Data

Surface Burning Characteristics

All CertainTeed Gypsum Board has a Flame Spread rating of 15 and Smoke Developed rating of 0, in accordance with ASTM E84, (UL 723, UBC 8-1, NFPA 255, CAN/ULC-S102).

Applicable Standards and References

- ASTM C1396
- ASTM C36
- CAN/CSA-A82.27
- ASTM C840
- CAN/CSA-A82.31 Gypsum Board Application
- Gypsum Association GA-216
- Gypsum Association GA-214
- ICC International Building Code (IBC)
- National Building Code of Canada (NBCC)

Installation

Decoration

CertainTeed Regular Gypsum Board accepts most types of paints, texture and wall covering materials. 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 thin skim coat of compound over the entire surface, Level 5 finish, is recom-

mended 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 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 primer-sealer application and final decoration.

Notice

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DECLARATION

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www.certainteed.com <http://blog.certainteed.com>

CertainTeed Corporation
20 Moores Road
Malvern, PA 19355

Professional: 800-233-8990
Consumer: 800-782-8777

CertainTeed

Type X

Gypsum Board

Product Data and Submittal

Product Description

CertainTeed Type X Gypsum Board is an interior gypsum board consisting of a solid set, fire-resistive, Type X gypsum core enclosed in ivory-colored face paper and a strong liner back paper. CertainTeed Type X board features a specially formulated core providing fire resistance ratings when used in tested assemblies. Long edges are slightly tapered, allowing joints to be reinforced and concealed with joint tape and joint compound. CertainTeed Type X Gypsum Board is available in a variety of lengths and widths.

Basic Uses

CertainTeed Type X Gypsum Board is used for interior walls and ceilings in residential and commercial applications requiring extended fire ratings. It can be used for new construction or renovations over wood or steel framing. The boards are typically nailed or screwed to studs spaced 16" (400 mm) or 24" (610 mm) o.c., but can be applied by laminating or with the use of an adhesive.

Advantages

- Fire ratings up to four hours.
- Consistently high quality.
- Uniformly flat, attractive appearance; no shadows.

- High edge hardness.
- No wavy edges, warps, bows or deformities.
- Uniform high-strength cores eliminate crumbling, cracking.
- Edge tapers consistent to form perfect joints.
- Excellent thermal barrier and sound attenuation qualities.
- Green Guard certified.

Limitations

- Exposure to continuous moisture or extreme temperatures should be avoided. Not recommended for continuous exposure to temperatures exceeding 125°F (52°C).
- Framing spacing should not exceed 24" (610 mm) o.c.
- Should be stored indoors and off ground surface.
- Boards should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.
- Storing board lengthwise, leaning against the framing is not recommended.
- Boards 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.

Product Data

Thicknesses: 5/8" (15.9 mm)

Widths: 4' (1220 mm) standard
54" (1370 mm)

Lengths: 8' to 12'
(2440 mm to 3660 mm)

Weight (nominal): 2.2 psf (10.7 kg/m²)

Edges: Tapered

Packaging: Two pieces per bundle, face-to-face and end-taped

Special widths, lengths or edges may be available on special order. Consult your CertainTeed sales representative.

Technical Data

Composition and Materials

Manufactured panel with gypsum core, encased in paper. Various additives are added to the core to enhance fire resistive qualities.

Continued on back

Job Name _____

Contractor _____

Date _____

Products Specified: _____

Submittal Approval
(Stamps or Signatures)

CertainTeed
SAINT-GOBAIN

Surface Burning Characteristics

CertainTeed Type X Gypsum Board has a Flame Spread rating of 15 and Smoke Developed rating of 0, in accordance with ASTM E84, (UL 723, UBC 8-1, NFPA 255, CAN/ULC-S102).

Fire Resistance

Fire resistance tests are conducted in accordance with ASTM E 119, (ANSI/UL 263, UBC 7-1, NFPA 251, CAN/ULC-S101) and 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). For fire resistance ratings refer to the Gypsum Association Fire Resistance Design Manual and UL Fire Resistance Directory - Vol. 1.

Applicable Standards and References

- ASTM C1396 Type X Standard
- CAN/CSA-A82.27
- ASTM C840
- CAN/CSA-A82.31
- Gypsum Association GA-216
- Gypsum Association GA-214
- ICC International Building Code (IBC)
- ICC International Residential Code (IRC)
- National Building Code of Canada (NBCC)

Installation

Recommendations

Installation of CertainTeed Type X Gypsum Boards should be consistent with methods described in the standards and references noted. Cutting should be from the face side of the boards for best results.

Decoration

CertainTeed Type X Gypsum Board accepts most types of paints, texture and wall covering materials. 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 thin skim coat of compound over the entire surface, 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 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 primer-sealer application and final decoration.

Notice

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CertainTeed Corporation

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Building Supplies

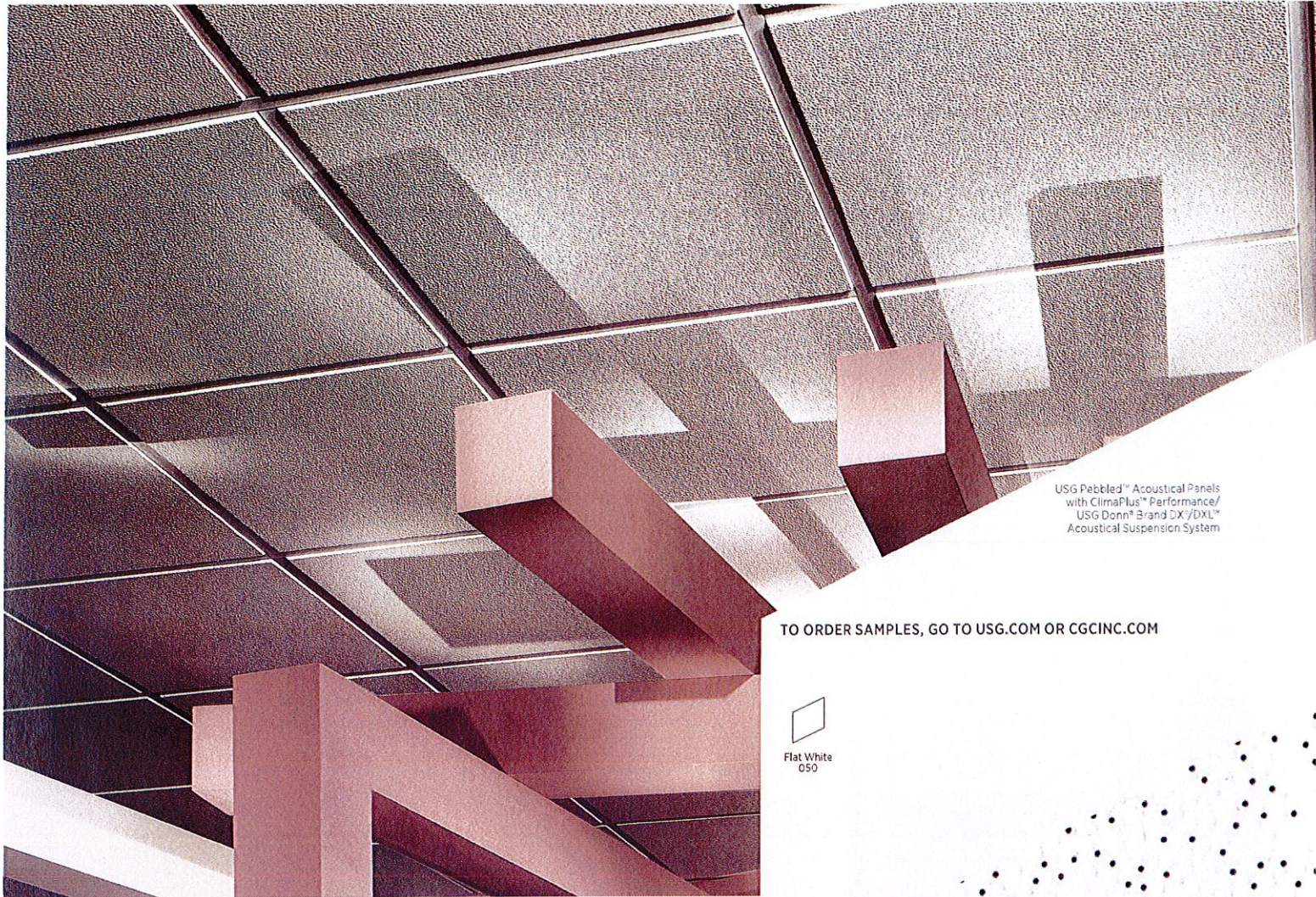
Walls & Ceilings Specialists
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Grid & Tiles

USG PEBBLED™ ACOUSTICAL PANELS

CLIMAPLUS™ PERFORMANCE



USG Pebbled™ Acoustical Panels
with ClimaPlus™ Performance/
USG Donn® Brand DX /DXL™
Acoustical Suspension System

TO ORDER SAMPLES, GO TO USG.COM OR CGCINC.COM



Flat White
050

FEATURES AND BENEFITS

- Economical, medium-textured ceiling panel has upscale appearance.
- ClimaPlus™ 30-year limited system warranty against visible sag, mold and mildew.

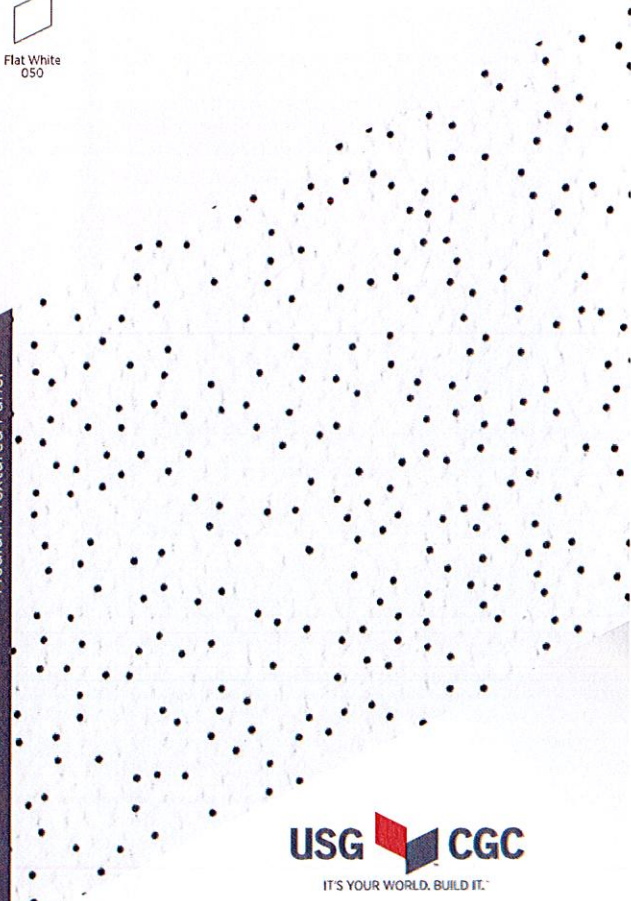
APPLICATIONS

- Schools
- Corridors
- General offices
- Retail stores

SUBSTRATE

- Wet-formed mineral fiber

Medium-Textured Panel



USG PEBBLED™ ACOUSTICAL PANELS

CLIMAPLUS™ PERFORMANCE

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UL Classified

USG PEBBLED™ PANELS

Edge	Panel Size	Fire Rating	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content ¹	Panel Cost
SQ	2'x2'x5/8"	Class A	4801	0.55	35	0.86	White	A,B,C	Low		44%	\$\$
	2'x4'x3/8"	Class A	4800	0.55	35	0.86	White	A,B	Low		44%	\$\$
SLT	2'x2'x5/8"	Class A	4805	0.55	35	0.86	White	D	Low		44%	\$\$
FLB	2'x2'x5/8"	Class A	4867	0.55	35	0.86	White	E,F,G,H	Low		44%	\$\$

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health's (CDPH) Standard Method v1.1 - 2010 (CA Section 01350). 'Certificates of Compliance' for Low VOC Emissions are available on usg.com and at productguide.ulenvironment.com.

ClimaPlus™ Warranty Performance¹

Contains a broad-spectrum antimicrobial additive on the face and back of the panel that provides resistance against the growth of mold and mildew. Includes sag-resistance performance.

GRID PROFILE OPTIONS

A USG DX' / DXL™	B USG DXW™	C ⁴ USG Centricitee™ DXT™	D USG DX' / DXL™	E USG Centricitee™ DXT™	F USG Fineline* DXF™	G USG Fineline* 1/8 DXFF™	H USG Identitee* DXI™

PHYSICAL DATA/ FOOTNOTES

Product literature
 Data sheet: SC1836

ASTM E1264 classification
 Type III, Form 2, Pattern CE

ASTM E84 and CAN/ULC S102 surface-burning characteristics
 Class A
 Flame spread: 25 or less
 Smoke developed: 50 or less

Weight
 0.70-0.79 lb./sq. ft.

Online tools
usgdesignstudio.com or cgcdesignstudio.com

Thermal resistance
 R-1.4

Maximum backloading
 See *USG 30-Year Limited System Warranty Commercial Applications* (SC2102).

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Metric sizes available
 Contact sales for minimum quantities and lead times.

Notes

- For details, see LEED report tool at usgdesignstudio.com or cgcdesignstudio.com.
- LR values are shown as averages.
- For details, see *USG 30-Year Limited System Warranty Commercial Applications* (SC2102) and *ClimaPlus™ Ceilings Certification of Performance* (SC2451).
- Maximum 2'x2' with SQ edge panels.

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SC1836/rev. 11-16
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Manufactured by
 USG Interiors, LLC
 550 West Adams Street
 Chicago, IL 60661

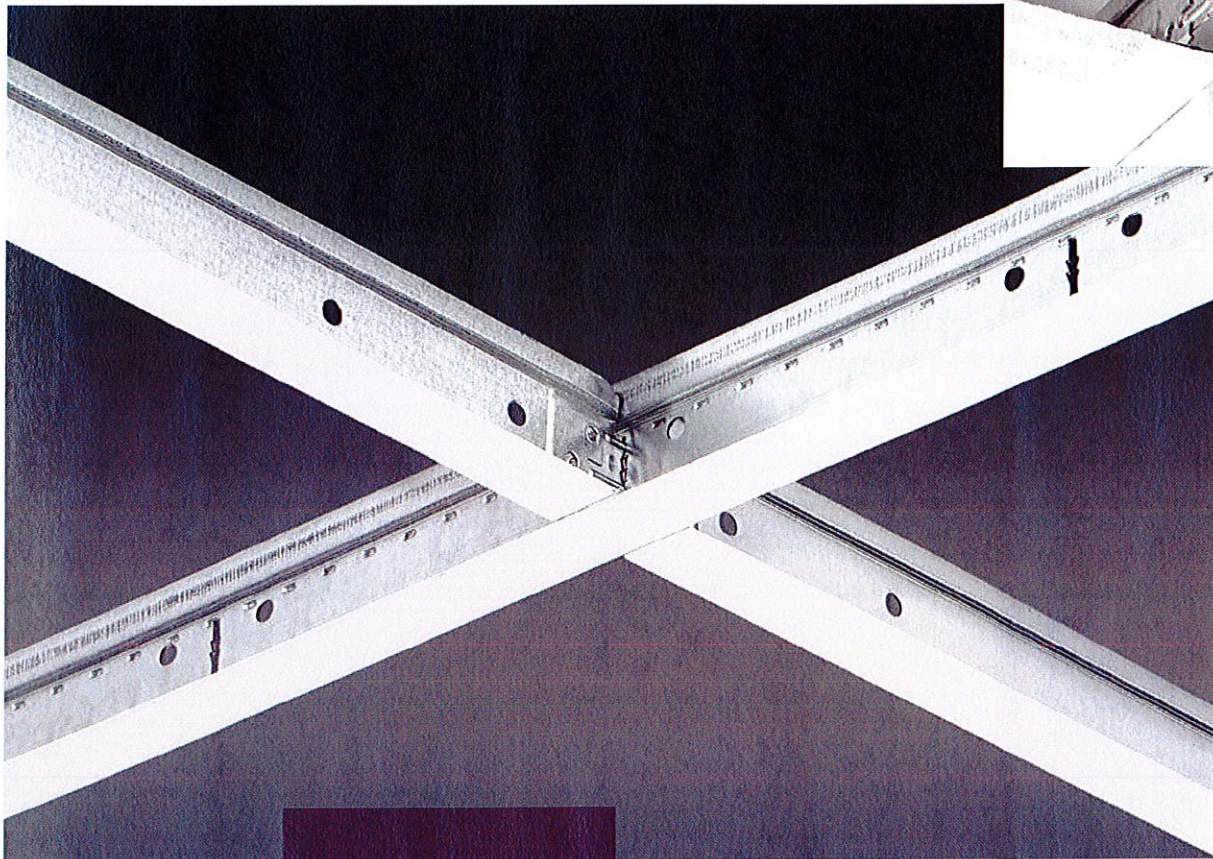
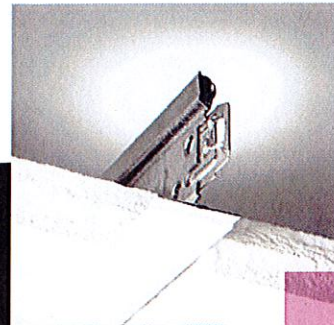
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Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.



Chicago Metallic® 1200 15/16"

Acoustical ceiling suspension system



Ideal for: Retail, classrooms, general interiors.

Performance Properties:

- Acoustical grid system comes in intermediate and heavy duty designs with stab-end cross tees
- Fire rated components are manufactured with expansion reliefs, making it suitable for fire-rated ceiling assemblies
- System available in (1200) non-fire rated, (1250) fire rated, and in (1200HRC) high recycled content
- Sustainable: Minimum 25% recycled content, 100% locally recyclable
- Chicago Metallic® suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08

24" x 24" GRID AS PER
REFLECTED CEILING PLAN

Chicago Metallic® 1200 15/16"

LEED® V4 HIGHLIGHTS

Materials and Resources (MR)

- Waste Management Planning
- Interiors Life Cycle Impact Reduction
- Environmental Product Declarations
- Sourcing of Raw Materials
- Material Ingredients
- Waste Management

Indoor Environmental Quality (EQ)

- Low-Emitting Materials
- Interior Lighting
- Acoustic Performance

RECYCLED CONTENT: UP TO: 65%

Detail	Product Number	Length	Height (A)	Face (B)	Grid Coupling Type	Slotting / Class	Fire Rated	Seismic	Recycled Content
Main Runners									
	216.01H	120"	1-1/2"	15/16"	Bayonet-End	6" OC, ID	-	C	25
	299.01H	120"	1-1/2"	15/16"	Bayonet-End	10" OC, ID	✓	C	25
	200.XXZ.01	144"	1-41/64"	15/16"	Bayonet-End	6" OC, HD	-	C, DEF	25
	200.XXZ.01HRC	144"	1-41/64"	15/16"	Bayonet-End	6" OC, HD	-	C, DEF	65
	211.01Z	144"	1-1/2"	15/16"	Bayonet-End	6" OC, ID	-	C	25
	250.01Z	144"	1-1/2"	15/16"	Bayonet-End	6" OC, ID	✓	C	25
	270.XXZ.01	144"	1-41/64"	15/16"	Bayonet-End	6" OC, HD	✓	C, DEF	25
Cross Tees									
	1211.01Z	4"	1-1/2"	15/16"	Stab-End	No Slots	-	C, DEF	25
	1212.01Z	6"	1-1/2"	15/16"	Stab-End	No Slots	-	C, DEF	25
	1251.01H	12"	1-1/2"	15/16"	Stab-End	No Slots	✓	C, DEF	25
	1257.01Z	20"	1-1/2"	15/16"	Stab-End	No Slots	✓	C, DEF	25
	1252.01HRCZ	24"	1-1/2"	15/16"	Stab-End	No Slots	-	C, DEF	65
	1202.01Z	24"	1-5/16"	15/16"	Stab-End	No Slots	-	C, DEF	25
	1252.01Z	24"	1-1/2"	15/16"	Stab-End	No Slots	✓	C, DEF	25
	1258.01H	30"	1-1/2"	15/16"	Stab-End	No Slots	✓	C, DEF	25
	1253.01H	36"	1-1/2"	15/16"	Stab-End	12" OC	✓	C, DEF	25
	1210.01Z	48"	1-1/2"	15/16"	Stab-End	12" OC	-	C, DEF	25
	1213.01H	48"	1-1/2"	15/16"	Stab-End	12" OC	-	C, DEF	25
	1214.01Z	48"	1-1/2"	15/16"	Stab-End	12" OC	-	C, DEF	25
	1254.01Z	48"	1-1/2"	15/16"	Stab-End	12" OC	✓	C, DEF	25
	1274.01Z	48"	1-1/2"	15/16"	Stab-End	No Slots, HD	✓	C, DEF	25
	1280.01H	48"	1-1/2"	15/16"	Stab-End	3 Slots 12" OC	-	C, DEF	25
	1214.01HRCZ	48"	1-1/2"	15/16"	Stab-End	12" OC	-	C, DEF	65
	1207.01H	60"	1-1/2"	15/16"	Stab-End	6" OC	-	C, DEF	25
		1296.01H	60"	1-1/2"	15/16"	Stab-End	5 slots: midpoint, 10" each side of midpoint, and 6" from each end	✓	C, DEF
	1236.01H	72"	1-1/2"	15/16"	Stab-End	12" OC	-	C, DEF	25
	1278.01H	96"	1-1/2"	15/16"	Stab-End	12" OC	-	C, DEF	25
Wall Angles & Channels									
	1420.01	144"	15/16"	15/16"	-	-	-	C, DEF	25
	1425.01	144"	2"	2"	-	-	-	C, DEF	25
	1428.01	144"	1"	2"	-	-	-	C, DEF	25
	1430.01	144"	7/8"	7/8"	-	-	-	C	25
	21420.01	144"	15/16"	15/16"	-	-	-	C, DEF	25
	1420.01HRC	144"	15/16"	15/16"	-	-	-	C, DEF	65
	1480.01HRC	144"	9/16"	15/16"	-	-	-	C, DEF	65
	1454.01	120"	1-4.75/8"	15/16"	-	-	-	C, DEF	25
Shadow Moldings									
	1460.01	120"	3/4"	3/4"	-	3/8" Reveal	-	C	25
	1461.01	120"	3/4"	3/4"	-	3/4" Reveal	-	C	25
	1466.01	144"	1-3/4"	1-1/4"	-	3/4" x 1/4" Reveal	-	C	25
	1469.01	120"	15/16"	9/16"	-	3/8" Reveal	-	C	25

Available in the following standard colors, Rockfon® Color-all™ colors, and RAL color options.



01 White



08 Black



44 Satin Silver



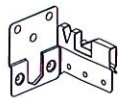
Color-all



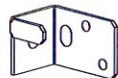
Packaging

Product Number	Pieces per Carton	Ft per Carton	Lbs per Carton	Cartons per Pallet	Lbs per Pallet
Main Runners					
216.01H	25	250	62	28	1736
299.01H	25	250	65	28	1820
200.XXZ.01	20	240	71.2	30	2136
200.XXZ.01HRC	20	240	60	30	1800
211.01Z	20	240	60	30	1800
250.01Z	20	240	60.8	30	1824
270.XXZ.01	20	240	72.8	30	2184
Cross Tees					
1211.01Z	60	20	5	10	50
1212.01Z	60	30	5	10	50
1251.01H	100	100	23	50	1150
1257.01Z	60	100	24	64	1536
1252.01HRCZ	75	150	24	50	1750
1202.01Z	60	120	20	64	1280
1252.01Z	60	120	28	64	1792
1258.01H	50	125	29	40	1160
1253.01H	50	150	36	50	1750
1210.01Z	60	240	42	30	1260
1213.01H	60	250	22	40	880
1214.01SST	50	200	46	40	1840
1214.01Z	60	240	528	30	1584
1254.01Z	60	240	52.8	30	1584
1274.01Z	60	240	732	30	2196
1280.01H	50	200	33	40	1320
1214.01HRCZ	50	200	61	40	2440
1207.01H	50	250	73	30	2310
1296.01H	50	250	57	30	1710
1236.01H	25	150	37	28	1036
1278.01H	25	200	46	28	1288
Wall Angles & Channels					
1420.01	42	504	69	30	2070
1425.01	20	240	82	30	2460
1428.01	20	240	54	30	1620
1430.01	30	360	49	40	1960
21420.01	25	300	41	30	1230
1420.01HRC	42	504	69	30	2070
1480.01HRC	25	300	39	30	1170
1454.01	20	200	67	32	2144
Shadow Moldings					
1460.01	40	400	64	32	2048
1461.01	40	400	90	32	2880
1466.01	20	240	61	20	1220
1469.01	40	200	77	Palletized to Order	Palletized to Order

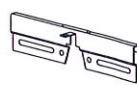
Accessories



1496.00
Seismic
Perimeter Clip
100 PCS/Carton



1493.00
Unopposed
Tee Clip
100 PCS/Carton



1494.00
Seismic
Separation Clip
100 PCS/Carton



935.00
Hold Down Clip
for Various
Height Panels
1000 PCS/Carton



490.00
Hold Down Clip
for 0" - 3/4" Panels
100 PCS/Carton



491.00
Hold Down Clip for
3/4" - 1-1/4" Panels
150 PCS/Carton



492.00
Hold Down Clip
for 1-1/2" Panels
100 PCS/Carton



495.00
Facett™ Hold
Down Clip for
2" - 4" Panels
100 PCS/Carton



826.00H
2' Spacer Bar
80 LF/Carton



828.00H
4' Spacer Bar
160 LF/Carton



824.00H
4' Spacer Bar,
Notched at 2'
160 LF/Carton

Performance

Component Load Test Data and Material

Allowable Load per ASTM C635								
				Hanger Spacing				
Main Tee	Length				4'	5'	6'	
216.01H	120"				ID	6.0	4.0	
299.01H	120"				ID	6.0	4.0	
200.XXZ.01	144"				HD	8.9	5.6	
200.XXZ.01HRC					HD	8.9	5.6	
211.01Z	144"				ID	6.0	4.0	
250.01Z	144"				ID	6.0	4.0	
270.XXZ.01					HD	8.9	5.6	
Cross Tee	Length	1'	2'	3'	4'	5'	6'	8'
1252.01HRCZ	24"		40.5♦					
1202.01Z	24"		21.5♦					
1252.01Z	24"		40.5♦					
1210.01Z	48"				9.3			
1214.01Z	48"				14.0			
1254.01Z	48"				14.0			
1274.01Z	48"				17.0			
1214.01HRCZ	48"				14.0			
1207.01H	60"					8.5		
1296.01H	60"					7.0		
1236.01H	72"						8•	
1278.01H	96"							1.8

To convert data into lb/ft², divide on center spacing of component into lb/ft.

♦ Limited by safety factor of 2.

Light Fixture Load Test Data (based on 1/360 span deflection)

Light Fixtures Dimensions	Main & Cross Tees - Allowable Fixture Weight - Pounds				
	211.01Z 1210.01Z	211.01Z 1213.01H	211.01Z 1280.01H	250.01Z 1254.01Z	270.XXZ.01 1254.01Z
1' x 4'	56.4	56.4	59.1	55.6	67.6
2' x 2'	34.8	34.8	36.1	49.6	52.8
2' x 4'	47.2	47.2	37.1	64.0♦	76.0♦

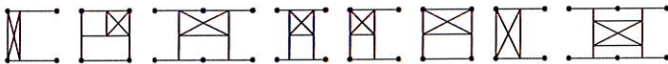
Consult specific U.L. design for allowable lighting configurations.

♦ Limited by safety factor of 2.

Non-Fire Rated Assemblies

Hanger Positions for Non-Fire Rated Situations

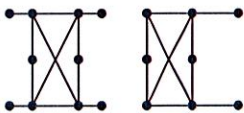
This illustrates hanger positions for single fixtures in a field. Provide extra hangers for tandem fixtures.



Fire Rated Assemblies

Hanger Positions for Fire Rated Situations

This illustrates hanger positions for single fixtures in a field. Provide extra hangers for tandem fixtures.



UL® Fire Rated Assemblies

Floor-Ceiling Type 1250

A202, A210, A211, A212, D203, D205, D209, D215, D216, D218, G007, G008, G022, G036, G201, G202, G204, G208, G209, G210, G211, G213, G214, G215, G216, G217, G218, G222, G227, G228, G229, G231, G234, G236, G241, G242, G243, G244, G248, G250, G255, G256, G258, G259, J201, L005, L006, L201, L202, L206, L208, L209, L210, L211, L212

Roof-Ceiling Type 1250

P201, P202, P203, P204, P206, P207, P210, P211, P213, P214, P215, P216, P217, P219, P225, P227, P228, P229, P230, P231, P235, P237, P238, P239, P241, P242, P244, P245, P246, P250, P251, P253, P255, P257, P259, P260, P261, P262, P264

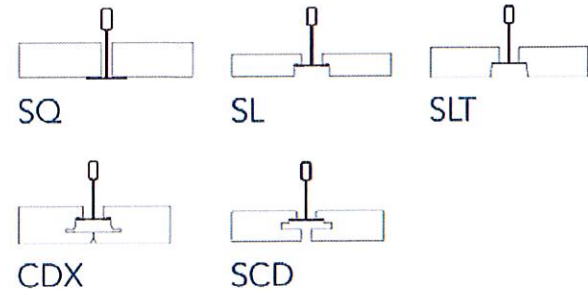
Material

ASTM C 635 Heavy Duty (HD) and Intermediate Duty (ID) main tee classifications; commercial quality HDG-30 steel, galvanized body and cap, 15/16" width, 1-1/2" height. Meets all seismic code requirements.

Note: A metallurgist should be consulted regarding the suitability of this product for the environmental conditions in which it is being installed.

Compatible Tile Edge Types

1200/1250/1200HRC Systems



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Spécialistes des murs et plafonds

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Insulation

NoiseReducer™ Sound Attenuation Batts

PRODUCT DESCRIPTION

Basic Use: These products are designed for use in commercial and residential wall and ceiling assemblies to effectively reduce transmission of airborne sound and provide thermal insulation.

Benefits: They provide excellent acoustical performance to help reduce sound transmission between adjoining rooms. These lightweight, flexible products are easy to handle and fabricate on the job site and conform to irregular surfaces. The product resists mold and mildew and will not rot or deteriorate.



Composition and Materials: The product is composed of tan, uniformly textured, inorganic fibrous glass and formed with a formaldehyde-free binding agent.

Limitations: Maintain building, electrical, gas and oil safety code required clearances between the insulation and heat-emitting devices, such as fuel-burning appliances, chimneys, pipes, ducts and vents to these appliances (at least 50 mm), and between the insulation and recessed light fixtures (at least 75 mm) unless the fixture is identified for contact with insulation, Type IC.

Because of potential skin irritation, unfaced building insulation should not be installed in an exposed area where it will be subject to human contact.

All building insulation should be kept dry. Wet fibre glass insulation will lose its effectiveness until it dries. Fibre glass will often dry naturally and regain its original R-Value. However, under conditions where the insulation will not dry thoroughly, it should be removed and allowed to dry or be replaced.

Sizes: Available standard sizes are listed in the table below. Contact CertainTeed for non-standard sizes.

INSTALLATION

Check local practice and/or building codes. Requirements for installation:

- Walls – Friction fit between studs. (Supplementary support may be required for floor/ceiling installations.)
- Suspended Ceilings – Lay batts directly on suspended ceilings. (Check with ceiling panel manufacturer for weight limitations.)

STANDARD SIZES

R-Value		Thickness		Width		Length	
R	RSI	mm	inches	mm	inches	mm	inches
8	1.4	70	2.75	406	16	1219	48
8	1.4	70	2.75	610	24	1219	48
12	2.1	89	3.5	406	16	1219	48
12	2.1	89	3.5	610	24	1219	48
20	3.5	152	6	406	16	1219	48
20	3.5	152	6	610	24	1219	48

Product Name	CertainTeed NoiseReducer™ Sound Attenuation Batts
Manufacturer	CertainTeed Insulation Canada, Inc.
Address	P.O. Box 860 Valley Forge, PA 19482-0105
Phone	610-341-7000 • 800-233-8990
Fax	610-341-7571
Website	www.certainteed.com/insulation

TECHNICAL DATA

Applicable Standards

- National Building Code 2005 & 2010
 - CAN/ULC-S702 / Type 1
 - CCMC 09521-L
 - CSA A101M
 - CAN/CGSB 51.11-92
 - GREENGUARD Children & Schools Certified™

Fire Resistance

- Fire Hazard Classification:
 - CAN/ULC-S102
Flame Spread: 5
Smoke Developed: 0
- Noncombustibility:
 - CAN4-S114 / Pass
- Smoulder Resistance:
 - ULC-S129 / Pass



AVAILABILITY AND COST

For availability and cost, contact your local contractor or distributor, or call CertainTeed Sales Support Group at 800-233-8990.

WARRANTY

Refer to CertainTeed's Lifetime Limited Warranty for Fibre Glass Building Insulation (30-21-1321).

MAINTENANCE

No maintenance required.

TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed's Sales Support Group at 800-233-8990.

For the most up-to-date product information, visit our website at www.certainteed.com/insulation.

STC RATINGS

3 5/8" Steel Stud Wall Assemblies 16" o.c.	1 Layer of 1/2" Gypsum Wallboard Each Side	1 Layer of 5/8" Gypsum Wallboard Each Side	1 Layer of 1/2" Gypsum Wallboard on One Side, Two Layers on Other Side	2 Layers of 1/2" Gypsum Wallboard Each Side	2 Layers of 5/8" Gypsum Wallboard Each Side
STC	45	47	48	53	56

3 5/8" Steel Stud Wall Assemblies 24" o.c.	1 Layer of 1/2" Gypsum Wallboard Each Side	1 Layer of 5/8" Gypsum Wallboard Each Side	1 Layer of 1/2" Gypsum Wallboard on One Side, 2 Layers on Other Side	2 Layers of 1/2" Gypsum Wallboard Each Side	2 Layers of 5/8" Gypsum Wallboard Each Side
STC	48	50	52	55	58

SOURCE: NRC CANADA



ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:

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www.certainteed.com

CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482

Professional: 800-233-8990
Consumer: 800-782-8777

Fibre Glass Building Insulation

PRODUCT DESCRIPTION

Basic Use: Fibre glass building insulation is intended for use in either residential or commercial construction as thermal and acoustical insulation in ceilings, walls and floors.

The product is unfaced and designed for use in standard wood stud and steel frame assemblies.



Benefits: Installing fibre glass building insulation is an easy, cost-effective method to help conserve energy in residential and commercial new construction, remodeling and re-insulation projects. In addition to its thermal properties, fibre glass building insulation also provides excellent acoustical performance. It is compression packaged for ease of handling, and its broad availability of R-Values and sizes ensures the right product for the job. The product resists mould and mildew and will not rot or deteriorate.

Composition and Materials: The product is composed of tan, uniformly textured, inorganic fibrous glass and formed with a formaldehyde-free binding agent.

Sizes: Available standard sizes are listed in table on other side. Contact CertainTeed for non-standard sizes.

Limitations: Maintain building, electrical, gas and oil safety code required clearances between the insulation and heat-emitting devices, such as fuel-burning appliances, chimneys, pipes, ducts and vents to these appliances (at least 50 mm), and between the insulation and recessed light fixtures (at least 75 mm), unless the fixture is identified for contact with insulation, Type IC.

Because of potential skin irritation, unfaced building insulation should not be installed in an exposed area where it will be subject to human contact.

All building insulation should be kept dry. Wet fibre glass insulation will lose its effectiveness until it dries. Fibre glass will often dry naturally and regain its original R-Value. However, under conditions where the insulation will not dry thoroughly, it should be removed and allowed to dry or be replaced.

INSTALLATION

The standard practice for installing fibre glass batts in wood studs is to friction fit batts into stud cavities. When batts completely fill stud cavities, they are constrained by studs at their edges and by wall facings front and rear.

- When fibre glass batts are installed in ceiling or floor joists, they must be supported by a ceiling finish material or another material such as wire.
- Where vapour control is required, a vapour barrier like CertainTeed's MemBrain™ Smart Vapour & Air Barrier Film must be installed per the 2005 and 2010 National Building Code, Section 9.25.

AVAILABILITY AND COST

For availability and cost, contact your local contractor or distributor, or call CertainTeed Sales Support Group at 800-233-8990.

Product Name	CertainTeed Fibre Glass Building Insulation
Manufacturer	CertainTeed Insulation Canada, Inc.
Address	P.O. Box 860 Valley Forge, PA 19482-0105
Phone	610-341-7000 • 800-233-8990
Fax	610-341-7571
Website	www.certainteed.com/insulation

TECHNICAL DATA

Applicable Standards

- National Building Code 2005 & 2010 Section 9.25
- CAN/ULC-S702-09, Type 1
- CCMC Evaluation Listing No. 09521-L
- GREENGUARD Children & Schools CertifiedSM

Fire Resistance

- Fire Hazard Classification:
 - CAN/ULC-S102
Flame Spread: 5; Smoke Developed: 0
- Noncombustibility:
 - CAN4-S114-2005 - Pass
- Smoulder Resistance:
 - ULC-S129-1995 - Pass



WARRANTY

Refer to CertainTeed's Lifetime Limited Warranty for Fibre Glass Building Insulation (30-21-1321).

MAINTENANCE

No maintenance required.

TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling CertainTeed's Sales Support Group at 800-233-8990.

For the most up-to-date product information, visit our website at www.certainteed.com/insulation.

STANDARD SIZES							
R-Value		Thickness		Width		Length	
R	RSI	inches	mm	inches	mm	inches	mm
8	1.4	2.75	70	15, 16, 23, 24	381, 406, 584, 610	47, 48	1194, 2119
10	1.8	3.5	89	15, 23, 24	381, 584, 610	48	1219
12	2.1	3.5	89	15, 16, 23, 24	381, 406, 584, 610	47, 48	1194, 1219
14	2.4	3.5	89	23	584	47	1194
20	3.5	6	152	15, 16, 23, 24	305, 406, 584, 610	47, 48	1194, 1219
22	3.8	5.5	140	14.75, 22.75	375, 578	47, 48	1194, 1219
24	4.2	5.5	140	14.75, 22.75	375, 578	47	1194
28	4.9	8.5	216	16, 24	406, 610	48	1219
31	5.4	9.5	241	16, 24	406, 610	48	1219
35	6.1	10.75	273	16, 24	406, 610	48	1219
40	7	12	305	16, 24	406, 610	48	1219

Contact your CertainTeed sales representative for non-standard sizes.



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 P.O. Box 860
 Valley Forge, PA 19482

Professional: 800-233-8990
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www.certainteed.com/insulation



polytarp

P R O D U C T S

POLYTARP PRODUCTS – SUPER SIX® TABLE OF RESULTS REPORT NO. 38-30892
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TEST	CAN2-51.34-M86 REQUIREMENTS	RESULTS	COMMENT
Dimensions: (m)			
- Nominal length	-	53.8	-
- Nominal width	-	2.59	-
- Actual length	> = nominal	53.8	passed
- Actual width	> = nominal	2.66	passed
Thickness (um.)			
- Single point	> = 120	139	passed
- Average	> = 150	154	passed
Resin Properties:			
- Density (g/ml)	> = 0.905, < = 0.930	0.921	passed
- Melt index (g/10 min.)	< = 1.5	0.875	passed
Water Vapour Permeance: (ng/Pa.s.m2)	< = 15	2.2	passed
Impact Strength: - Method B (g)	> = 300	306	passed
Oxidizative Induction Time: (min.) – at 190 deg. C	> = 30	190	passed
Tensile Strength: (Mpa)			
- M. D. unaged	> = 12	18.9	passed
- M. D. aged	-	18.3	passed
- Change (%)	> = - 50	- 3.2	passed
- T. D. unaged	> = 8	18.9	passed
- T. D. aged	-	18.8	passed
- Change (%)	> = - 50	- 0.5	passed
Elongation: (%)			
- M. D. unaged	> = 225	578	passed
- M. D. aged	-	538	passed
- Change (%)	> = - 50	- 6.9	passed
- T. D. unaged	> = 350	636	passed
- T. D. aged	-	624	passed
- Change (%)	> = - 50	- 1.9	passed