Hunter Panels Tapered Polyiso Roofing Products

Hunter Panels' Tapered Department consists of designers, estimators, customer service and field personnel. We assist you in the design and installation of the most efficient tapered polyiso solutions to meet your specifications and budgetary needs. Using Hunter Panels' full line of tapered polyiso panels and tapered pre-cut accessories saves you time and money. These accessories compliment your tapered system and, as always, they come with Hunter Panels' Whatever it Takes guarantee!



Tapered H-Shield is a sloped rigid roof insulation panel composed of a closed cell polyisocyanurate foam core manufactured on-line to a fiberreinforced facer on both sides.

- · ASTM C 1289 Type II, Class 1, Grade 2 or 3 (GRF)
- Available in Standard and Extended Panel profiles Available in 4'x4' standard, 4'x8' special request
- Highest Recycled Content (LEED)
- Most Economical Facer
- Single-Ply
- Standing Seam
- Modified Bitumen · Direct application to steel deck BUR

TAPERED H-SHIELD CG

Tapered H-Shield CG is a sloped rigid roof insulation panel composed of a closed cell polyisocyanurate foam core manufactured on-line to a premium performance coated glass facer on both sides.

- · ASTM C 1289 Type II, Class 2, Grade 2 or 3 (CGF)
- · Available in Standard and Extended Panel profiles
- Available in 4'x4' standard, 4'x8' special request
- Single-Ply
- Modified Bitumen
- Standing Seam · Direct application to steel deck

HINGED TARGET SUMP 8'x8' Hinged Drain Sump

- Manufactured with Tapered H-Shield and Tapered H-Shield CG, 20 or 25 PSI Flat 8'x8' pre-assembled sump
- Ships as folded 4'x8'
- Perimeter Edge Thicknesses 1.5", 2", 2.5", 3"

TARGET SUMP 4'x4' Drain Sump

- Manufactured with Tapered H-Shield CG 25 PSI only Flat 4'x4' pre-assembled sump
- Special packaging for ease of job site identification

PRE-CUT HIPS AND VALLEYS

Pre-cut Hips (slope outward) and Pre-cut Valleys (slope inward) are factory produced using two 4'x4' panels of Tapered H-Shield or Tapered H-Shield CG, cut in half at 45 degrees. Only the two halves

- Manufactured with Tapered H-Shield and Tapered H-Shield CG, 20 or 25 PSI
- Flexibility in design and size: custom designed to meet your job site requirements including slope, minimum and maximum thicknesses. Available in all panels AA-ZZ
- · Packaged and labeled separately from the tapered panels in the system

HINGED TARGET SUMP

4x4 TARGET SUMP

EXPERT TAPERED DESIGN SERVICES

The Hunter Panels team will work with you from start to finish to engineer the appropriate tapered design system for your roof configuration and drainage requirements.

TAPERED ON THE WEB

HUNTERPANELS.COM

TAPERED PANELS

48" X 48"

A 1" - 1.5" 20 38

B 1.5" - 2" 28 26

E 3" - 3.5" 52 14

F 3.5" - 4" 60 I2 FF 4" - 4.5" 68 10

Y 1.5" - 2.5" 32 24

ZZ 3.5" - 4.5" 64 12 1" - 2" 24 32

Q .5" - 2.5" 24 32

JJ .5" - 1.25" 14 54 KK 1.25" - 2" 26 28

LL 2" - 2.75" 38 20

L 2.5" - 3.25" 46 16 M 3.25" - 4" 58 12

ΓT 2" - 3.5" 44 16

.5" - .75" 10 76

.75" - 1" 14 54

4 1.25" - 1.5" 22 34

1.5" - 1.75" 26 28

6 1.75" - 2" 30 24

8 2.25" - 2.5" 38 20

Bold text indicates tapered panels utilized in Hunter Panels Extended Panels Tapered System

7 2" - 2.25" 34 22

QQ 2.5" - 4.5" 56 12

3/16 MM 2.75" - 3.5" 50 14 1" - 1.75" 22 34

Z 2.5" - 3.5" 48 16

2" - 3" 40 18

2" - 2.5" 36 20 2.5" - 3" 44 16

- Submit Quote Requests On-line
- Send and Receive Drawings Via Email
- Request Samples and Submittal Sheets

Hunter Panels Expert Advice and Support

With over 1000 documents online, our comprehensive website is your source for a broad range of downloads including technical documents, installation advice, product specifications and real world application examples.

Visit HunterPanels.com or call us today at 888.746.1114. We are here to help.

PRODUCT INFORMATION

Submittal Documents, Sales Sheets, Packaging and Weight Charts, Videos, Animations, Specs, and a whole lot more



TECH TOPICS

Our Tech Topics address a wide variety of specific and frequently asked technical questions.



INSTALLATION GUIDES AND FASTENING INFORMATION WWW.INSTALLPOLYISO.COM

Our Installation and Fastening guides for Cool-Vent and H-Shield NB, Individual Fastening Patterns by product, Fastener recommendations, Installation videos, all aid in insuring that you installation goes smoothly.

























Hunter Panels

MANUFACTURERS OF ENERGY SMART POLYISO ROOF INSULATION PANELS















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Hunter Panels Manufacturing - Innovation - Efficiency - Quality

An interesting thing happened in 1998 when

Hunter set out to manufacture the absolute most effective, efficient and innovative Polyiso insulation panels available anywhere - we also created the finest customer service organization and contractor support team in the industry. Go figure.

Then again, at Hunter we believe in doing "whatever it takes" to provide our customers with a full line of proven Polyiso products

from our seven manufacturing facilities strategically located across the USA for

fast, on-time service and availability.

When it comes to thermal efficiency and a wide range of building applications, Polyiso insulation is the #1 insulating material available today. Polyiso can be installed on both commercial and residential structures, on the roof or in the wall. It's lightweight, cost-effective and provides outstanding return on investment with significant energy

See for yourself how the expert team at Hunter Panels will do "Whatever it Takes" to provide you with the absolute best Polyiso products and customer service, too.

HUNTER FLAT POLYISO PRODUCTS FOR LOW SLOPE ROOFING APPLICATION

ASTM C 1289 POLYISO CLASSIFICATIONS

Class I GRF Facer Grade 2 (20 psi) or Grade 3 (25 psi) COOL-VENT

ALL PRODUCTS ARE MANUFACTURED IN

CORDANCE WITH THE ASTM C 1289 STANDA

Class 2 CGF Facer Grade 2 (20 psi) or Grade 3 (25 psi) H-SHIELD CG, TAPERED H-SHIELD CG. COOL-VENT

Class 4 CGF Facer Grade I H-SHIELD HD 109 PSI MAX

Type IV

Coverboard I side CGF facer other side H-SHIELD HD COMPOSITE CG

H-SHIELD CG

PRODUCT FEATURES

· UL Class A, FM Class 1

Available in 20 and 25 psi

9% pre consumer recycled content

Mold resistant facer

APPLICATIONS

BUR, Mod Bit, Single-Ply Systems:

New Construction and Retrofit

Mechanically Attached, Fully Adhered

Cold Applied and Spray Applied applications

APPLICATIONS

Substrate I side CGF or GRF Facer other side H-SHIELD NB

Flat Premium Performance Faced Polyiso Insulation

BUR, Mod Bit, Single-Ply Systems: Ballasted,

· Cold Applied and Spray Applied applications

Available in Tapered Panels .5" min to 4.5" max

Manufactured with a light and dark side that allows

H-SHIELD HD 1/2" High-Density Polyiso Cover Board

for faster or slower adhesive flash-off times.

Mechanically Attached, Fully Adhered

Available in 4'x4' and 4'x8' flat panels Available in thicknesses of 1" to 4.5" flat panels

H-SHIELD CG THERMAL VALUES

5.7 2 %"

10.3 4 3/8"

11.4 4 %" 14.4 4 3/8"

20.5 4 %"

22.3 4 %"

*Long Term Thermal Resistance Values are based on ASTM C 1289.

4 ¾"

VALUE

109 psi max

2.5

4 ¾"

23.6

H-SHIELD HD PHYSICAL PROPERTY DATA

TEST METHOD

ASTM C 1621

(modified)

H-SHIELD HD THERMAL VALUES

*Tested in accordance with ASTM C 518

4.5 114 26.8

8.6

H-SHIELD Flat Polyison

APPLICATIONS

· BUR, Mod Bit, Cold Applied, Single-Ply Systems: Ballasted, Mechanically Attached, Fully Adhered, Standing Seam Metal Roof Systems

PRODUCT FEATURES

- Available in 4'x4' and 4'x8' flat panels
- Available in thicknesses of 1" to 4.5" flat panels
- Available in Tapered Panels .5" min 4.5" max
- · UL Class A, FM Class 1
- Available in 20 and 25 psi

NEW 2020/2021 PRODUCT ENHANCEMENT for H-SHIELD CG AND H-SHIELD HD Manufactured using premium performance coated glass facer with white on one side of the board and black on the other side, allowing the installer to choose

which side to install up to control flash-off times in fully adhered applications. **NOTE:** For all other applications the facer performance is unchanged

PRODUCT FEATURES

Available in 4'x8' flat panels

Available in thickness of 1/2"

· UL Class A, FM Class 1 Mechanically Attached only

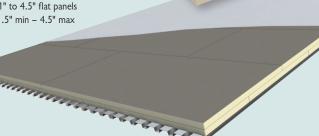
Manufactured with a light and dark side that allows for faster or slower adhesive flash-off times.

SH-1 Hail Rating in approved assemblies

9% pre-consumer recycled content

11 lbs per 4'x8' board

Mold resistant facer



TYPICAL PHYSICAL PROPERTY DATA CHART PER ASTM C 1289 POLYISO FOAM CORE ONLY TEST METHOD

Compressive Strength	ASTM D 1621	20 psi* (138kPa, Grade 2)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)
Moisture Vapor Transmission	ASTM E 96	< 1 perm (57.5ng/(Pa•s•m²))
Water Absorption	ASTM C 209	< 1% volume
Flame Spread**	ASTM E 84	< 75
Smoke Developed**	ASTM E 84	< 450
6 I T		-100° to 250° F

*Also available in 25 psi, Grade 3
**Meets the requirements of the IBC code. For specific Flame Spread or Smoke Developed Ratings - please contact the Hunter Panels Technical Departmen

H-SHIELD THERMAL VALUES								
THICKNESS (INCHES) (MM)		LTTR R VALUE*	FLUTE SPANABILITY	PCS PER BUNDLE				
1.0	25	5.7	2 5/8"	48				
1.5	38	8.6	4 3/8"	32				
1.8	46	10.3	4 3/8"	26				
2.0	51	11.4	4 3/8"	24				
2.5	64	14.4	4 3/8"	19				
2.6	66	15.0	4 3/8"	18				
3.0	76	17.4	4 ¾"	16				
3.5	89	20.5	4 3/8"	13				
3.8	97	22.3	4 3/8"	12				
4.0	102	23.6	4 3/8"	12				

*Long Term Thermal Resistance Values are based on ASTM C 1289.

4.5 114 26.8 4 ½" 10

H-SHIELD STRAIGHT CUT AND H-SHIELD BEVEL CUT Flute Fill

APPLICATIONS

- Standing seam Metal retrofit systems
- Flute Fill

PRODUCT FEATURES

- · Available in a variety of facers GRF, CG, foil
- Both available in thicknesses of 1.0" to 4.5" and custom widths

HUNTER ENGINEERED PRODUCTS FOR STEEP SLOPE ROOF APPLICATIONS

COOL-VENT

Ventilated Nailbase Polyiso

APPLICATIONS

- Non-insulated cathedral and vaulted ceilings, exposed ceiling designs under steel, plywood, or tongue and groove decks. log homes, post and beam
- Ideal for steep slope applications 3:12 and greater

construction

PRODUCT FEATURES

- Bottom layer polyiso, middle wood block spacers, top layer OSB or plywood
- Available in 4'x8' panels
- Available in overall thicknesses of 2.5" to 5.2" Standard 1" airspace; 1.5" and 2" also available
- Available with top substrates of 7/16" or 5/8" OSB, and
- 5/8" or 3/4" Plywood · OSB and Plywood rabbeted on all sides for expansion of
- wood substrates
- Not a structural panel

COOL-VENT THERMAL VALUES								
	THICKN (INCHES)	IESS† (MM)	MINIMUM R VALUE*	FLUTE SPANABILITY				
	2.5	64	5.7	2 5/8"				
	3.0	76	8.6	4 3/8"				
	3.5	89	11.4	4 3/8"				
	4.0	102	14.4	4 3/8"				
	4.5	114	17.4	4 3/8"				
	5.0	127	20.5	4 3/6"				

*Long Term Thermal Resistance Values are based on ASTM C 1289.

†Thickness is calculated with % OSB and 1" airspace.

system when using more than 3.5" of foam in Cool-Vent. R values other than those listed in the above chart can be achieved by altering the base layer of flat polyiso in conjunction with

H-SHIELD NB THERMAL VALUES

H-SHIELD HD COMPOSITE CG

1/2" H-Shield HD Manufactured On-Line to Premium Performance Polyiso

APPLICATIONS

- BUR, Mod Bit, Single-Ply Systems: Ballasted, Mechanically Attached, Fully Adhered
- · Cold Applied and Spray Applied applications
- New Construction and Retrofit applications

PRODUCT FEATURES

- Available in 47.5"x47.5" and 47.5"x95.5" flat panels
- Available in thicknesses of 2" to 4" flat panels UL Class A, FM Class 1
- Mold resistant facer
- · SH-1 Hail Rating in approved assemblies
- 9% pre consumer recycled content

H-SHIELD HD COMPOSITE CG THERMAL VALUES 11.1 13.9 4 3/8" 16.9 19.9 4 3/8" 4 3/8" 4.0 102 23.0 4 3/8" H-Shield HD Composite CG R-value is calculated by adding together the R-values of H-Shield HD and H-Shield CG.

*Long Term Thermal Resistance Values are based on ASTM C 1289

4 3/8" 4 ¾" 4 3/8" 4 %" 4 3/3"

To achieve optimal thermal performance, Hunter Panels requires installation of a multi-layered system when using more than 3.5" of foam in H-Shield NB. R-values other than those listed n the above chart can be achieved by altering the base layer of flat polyiso in conjunction

H-SHIELD NB

Flat Polyiso Manufactured to Oriented Strand Board or Plywood

APPLICATIONS

· Single Ply Roofing Systems: Ballasted, Mechanically Attached, Fully Adhered · Steep Slope applications under tile, slate or a heavy weight shingle

PRODUCT FEATURES

Available in foam size 47.5"x95.5" when manufactured with OSB in thicknesses of 1.5" (38mm) to 4.1" (102mm) and 48"x96" (40mm) to 4.2" (107mm) Available in foam size 47.5"x95.5" (102mm) and 48"x96" (40mm) (107mm) when

- manufactured off line with plywood in thicknesses of 1.6" to 4.2"
- OSB and Plywood rabbeted on all sides for expansion of wood substrates
- · UL Class A, FM Class 1 Available in 20 and 25 psi
- Not a structural panel