



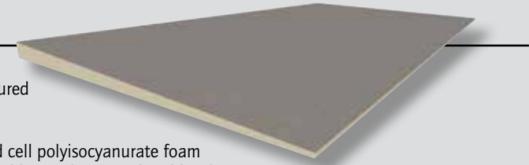
# WHATEVER IT TAKES.

## INDUSTRY LEADERS IN TAPERED DESIGN, PRODUCTS AND SERVICES.



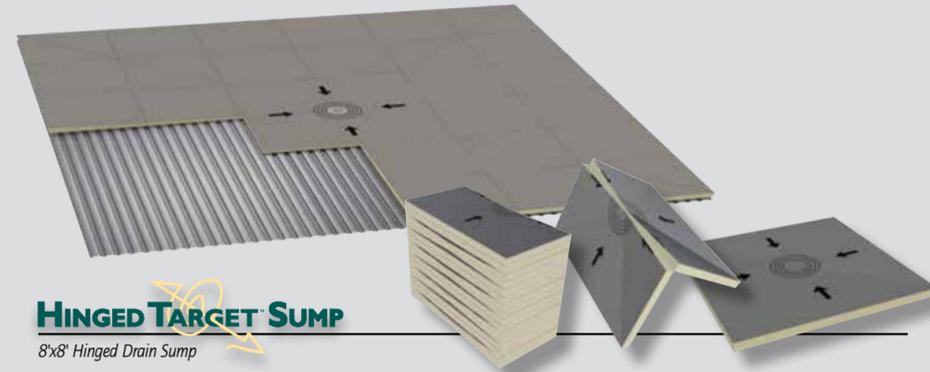
### TAPERED H-SHIELD

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



**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. Moisture and mold resistant. Achieves UL Class A on wood decks (3" minimum).

**Tapered H-Shield WF** is a sloped rigid roof insulation panel composed of a closed cell polyisocyanurate foam core manufactured on-line to a fiber reinforced facer on one side and 1/2"(13mm) asphalt coated high density wood fiberboard on the other side.



### HINGED TARGET SUMP

8'x8' Hinged Drain Sump

#### REDUCES FIELD LABOR

- One Piece 8'x8' Panel, folds to 4'x8'
- Pre-Cut – Ready to Install
- Factory Assembled

#### CUSTOM SIZES AVAILABLE FOR OPTIMUM DRAINAGE

- A variety of thicknesses and slopes to accommodate specific job conditions
- Flexible starts at the drain .5" 1", 1.5", or 2"
- FM Class 1 Assemblies – 1.5" starts are available
- Perimeter edge thicknesses 1.5", 2", 2.5", 3", 3.5"
- Manufactured with Tapered H-Shield and Tapered H-Shield CG, 20 or 25 psi

#### COMPLETELY ELIMINATES WASTE

- Reduces dumpster fees
- Reduces impact on local landfills

#### PRE-CUT TAPERED HIPS & VALLEYS

#### FEATURES AND BENEFITS

- Shipped ready to install – no field cuts required
- No waste, reducing material removal fees on job site
- Individually packaged and labeled
- Flexibility in design and size: custom designed to meet your job site requirements including slope, minimum and maximum thicknesses. All panels AA-ZZ
- Available in all slopes
- Manufactured with Tapered H-Shield, Tapered H-Shield CG and Tapered H-Shield WF

#### TAPERED ON THE WEB HUNTERPANELS.COM

- Submit Quote Requests On-line
- Send and Receive Drawings Via Email
- Request Samples and Submittal Sheets
- E-Sign-off on drawings

#### TAPERED PANELS 48" x 48"

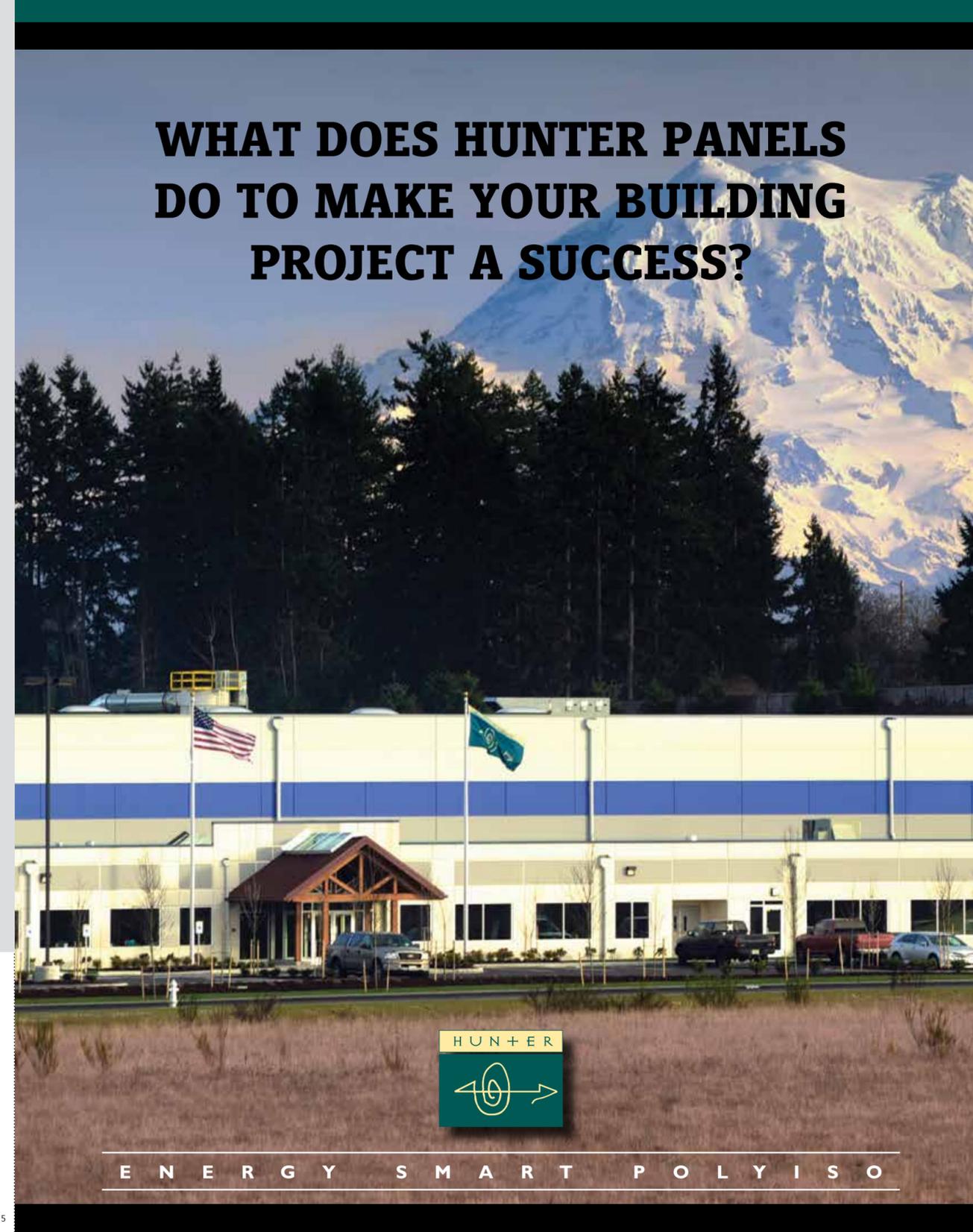
BOARD STYLE	DIMENSIONS IN INCHES	BD FEET PER PANEL	PCS PER BUNDLE
AA	.5" - 1"	12	64
A	1" - 1.5"	20	38
B	1.5" - 2"	28	26
C	2" - 2.5"	36	20
D	2.5" - 3"	44	16
E	3" - 3.5"	52	14
F	3.5" - 4"	60	12
FF	4" - 4.5"	68	10
X	.5" - 1.5"	16	48
Y	1.5" - 2.5"	32	24
Z	2.5" - 3.5"	48	16
ZZ	3.5" - 4.5"	64	12
G	1" - 2"	24	32
H	2" - 3"	40	18
I	3" - 4"	56	12
Q	.5" - 2.5"	24	32
QQ	2.5" - 4.5"	56	12
XX	1" - 3"	32	24
JJ	.5" - 1.25"	14	54
KK	1.25" - 2"	26	28
LL	2" - 2.75"	38	20
MM	2.75" - 3.5"	50	14
J	1" - 1.75"	22	34
K	1.75" - 2.5"	34	22
L	2.5" - 3.25"	46	16
M	3.25" - 4"	58	12
SS	.5" - 2"	20	38
TT	2" - 3.5"	44	16
S	1" - 2.5"	28	26
T	2.5" - 4"	52	14
1	.5" - .75"	10	76
2	.75" - 1"	14	54
3	1" - 1.25"	18	42
4	1.25" - 1.5"	22	34
5	1.5" - 1.75"	26	28
6	1.75" - 2"	30	24
7	2" - 2.25"	34	22
8	2.25" - 2.5"	38	20

HUNTER  
Energy Smart Polyiso

HUNTERPANELS.COM 888.746.1114 • FAX: 877.775.1769



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# WHAT DOES HUNTER PANELS DO TO MAKE YOUR BUILDING PROJECT A SUCCESS?



E N E R G Y S M A R T P O L Y I S O

# BUILD ON OUR MANUFACTURING INNOVATION, EFFICIENCY AND QUALITY.

HUNTER ENGINEERED PRODUCTS FOR STEEP ROOF APPLICATIONS

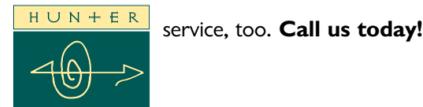
An interesting thing happened 17 years ago when Hunter set out to manufacture the absolute most effective, efficient and innovative Polyiso insulation panels available anywhere – we also created the finest customer service organization and builder support team in the industry. Go figure.

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. The Hunter team takes pride not only in driving home the message of energy conservation, but also the means.

When we say that Hunter Polyiso is the cornerstone of green buildings we’re not just blowing smoke. 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 savings.



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



## HUNTER FLAT POLYISO LOW SLOPE ROOFING

### H-SHIELD

Flat Polyiso

#### APPLICATIONS

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

#### PRODUCT FEATURES

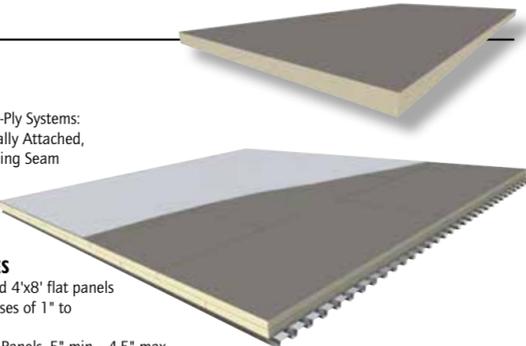
- Available in 4'x4' and 4'x8' flat panels
- Available in thicknesses of 1" to 4.5" flat panels
- Available in Tapered Panels .5" min – 4.5" max
- UL Class A, FM Class 1
- Available in 20 and 25 psi

H-SHIELD THERMAL VALUES			
THICKNESS (INCHES) (MM)	LTR R VALUE*	FLUTE SPANABILITY	PCS PER BUNDLE
1.0 25	5.7	2 3/8"	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 3/8"	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
4.3 109	25.5	4 3/8"	11
4.5 114	26.8	4 3/8"	10

\*NEW Long Term Thermal Resistance Values are based on ASTM C 1289, effective 1/1/2014, which provides updated 15 year time weighted averages. UPDATED JULY 2014

TYPICAL PHYSICAL PROPERTY DATA CHART PER ASTM C 1289 POLYISO FOAM CORE ONLY		
PROPERTY	TEST METHOD	VALUE
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*m <sup>2</sup> ))
Water Absorption	ASTM C 209	< 1% volume
Service Temperature		-100° to 250° F (-73°C to 122°C)

\*Also available in 25 psi, Grade 3



### H-SHIELD PREMIER

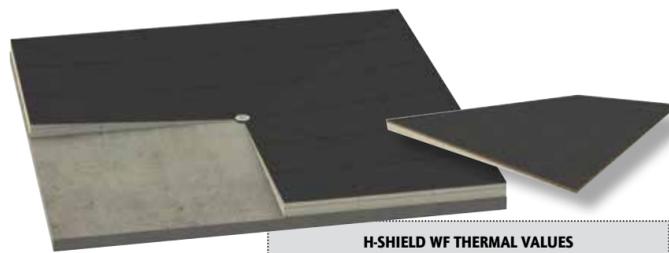
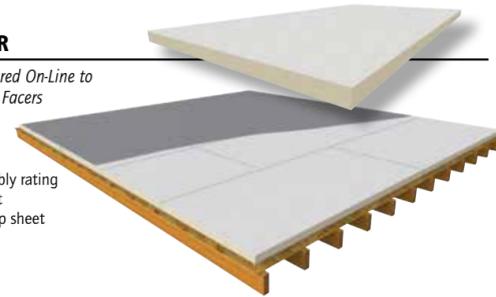
1" Flat Polyiso Manufactured On-Line to Heavy Duty Coated Glass Facers

#### APPLICATIONS

- Achieves a UL Class A combustible deck assembly rating at a 1" thickness without the use of a fire rated slip sheet or gypsum cover board

#### PRODUCT FEATURES

- Available in 4'x8' panels



### H-SHIELD WF

Flat Polyiso Manufactured On-line to Wood Fiberboard

#### APPLICATIONS

- BUR, Mod Bit, Single-Ply Systems: Ballasted, Mechanically Attached, Fully Adhered

#### PRODUCT FEATURES

- Available in 47.5"x47.5" and 47.5"x95.5" flat panels
- Available in thicknesses of 1.5" to 4" flat panels
- Available in Tapered Panels 1.0" min to 3.0" max
- UL Class A, FM Class 1
- Available in 20 and 25 psi

H-SHIELD WF THERMAL VALUES		
THICKNESS (INCHES) (MM)	LTR R VALUE*	FLUTE SPANABILITY
1.5 38	7.1	4 3/8"
2.0 51	10.0	4 3/8"
2.5 64	12.8	4 3/8"
3.0 76	15.8	4 3/8"
3.5 89	18.8	4 3/8"
3.7 94	20.0	4 3/8"
4.0 102	21.9	4 3/8"

\*NEW Long Term Thermal Resistance Values are based on ASTM C 1289, effective 1/1/2014, which provides updated 15 year time weighted averages. When H-Shield WF with a foam thickness greater than 3.5" is specified, Hunter Panels recommends the installation of a two layer system with staggered joints. UPDATED JULY 2014

### H-SHIELD STRAIGHT CUT AND BEVEL CUT

#### APPLICATIONS

- Standing seam Metal retrofit systems
- Flute Fill
- FM Class 1 – top layer of Polyiso must be a minimum of 1.5" over the H-Shield Bevel Cut or Straight Cut

#### PRODUCT FEATURES

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



### H-SHIELD HD

1/2" High-Density Polyiso Cover Board

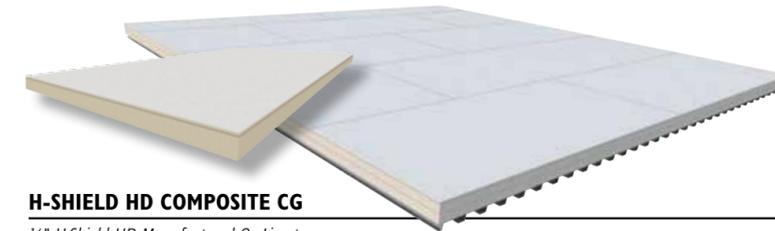
#### APPLICATIONS

- BUR, Mod Bit, Single-Ply Systems: Mechanically Attached, Fully Adhered
- Cold Applied and Spray Applied applications

- New Construction and Retrofit
- Available in 4'x8' flat panels
- Available in thickness of 1/2"
- 11 lbs per 4'x8' board
- UL Class A, FM Class 1 Mechanically Attached only
- Mold resistant facer
- SH-1 Hail Rating

H-SHIELD HD THERMAL VALUES		
THICKNESS (INCHES)	THICKNESS (MM)	R-VALUE*
0.5	13	2.5

\*Tested in accordance with ASTM C 518



### 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

TYPICAL PHYSICAL PROPERTY DATA CHART POLYISO FOAM CORE ONLY		
PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM D 1621 (modified)	100 psi
Dimensional Stability	ASTM D 2126	< 0.5% linear change (7 days)
Water Absorption	ASTM C 209	< 1% volume
Resistance to Mold	ASTM D 3273	Passed (10)
Service Temperature		260° F or less
Recycled Content		> 8%

H-SHIELD HD COMPOSITE CG THERMAL VALUES		
THICKNESS (INCHES) (MM)	LTR R VALUE*	FLUTE SPANABILITY
2.0 51	11.1	4 3/8"
2.5 64	13.9	4 3/8"
3.0 76	16.9	4 3/8"
3.5 89	19.9	4 3/8"
3.6 91	20.5	4 3/8"
4.0 102	23.0	4 3/8"

H-Shield HD Composite CG Rvalue is calculated by adding together the Rvalues of H-Shield HD and H-Shield CG. \*NEW Long Term Thermal Resistance Values are based on ASTM C 1289, effective 1/1/2014, which provides updated 15 year time weighted averages. When H-Shield HD Composite CG with a base foam thickness greater than 3.5" is specified, Hunter Panels recommends the installation of a two layer system with staggered joints.

### COOL-VENT

Ventilated Nailbase Polyiso

#### APPLICATIONS

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

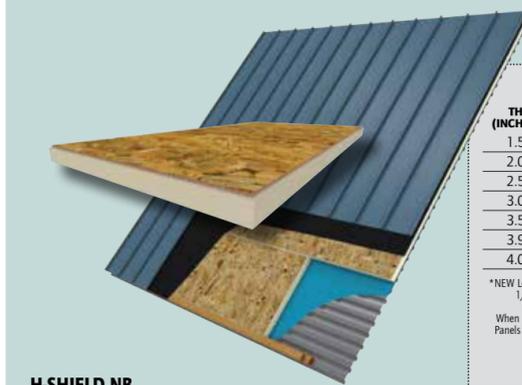
#### PRODUCT FEATURES

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



COOL-VENT THERMAL VALUES		
THICKNESS (INCHES) (MM)	MINIMUM R VALUE*	FLUTE SPANABILITY
2.5 64	5.7	2 3/8"
3.0 76	8.6	4 3/8"
3.3 84	10.3	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 3/8"

\*NEW Long Term Thermal Resistance Values are based on ASTM C 1289, effective 1/1/2014, which provides updated 15 year time weighted averages. †Thickness is calculated with 7/16" OSB and 1" airspace. For other dimensions contact Hunter Panels. When CoolVent with a foam thickness greater than 3.5" is specified, Hunter Panels recommends the installation of a two layer system with staggered joints. UPDATED JULY 2014



### H-SHIELD NB THERMAL VALUES

THICKNESS (INCHES) (MM)	LTR R VALUE*	FLUTE SPANABILITY
1.5 38	6.3	4 3/8"
2.0 51	9.2	4 3/8"
2.5 64	12.0	4 3/8"
3.0 76	15.0	4 3/8"
3.5 89	18.0	4 3/8"
3.9 99	20.5	4 3/8"
4.0 102	21.1	4 3/8"

\*NEW Long Term Thermal Resistance Values are based on ASTM C 1289, effective 1/1/2014, which provides updated 15 year time weighted averages. When H-Shield NB with a foam thickness greater than 3.5" is specified, Hunter Panels recommends the installation of a two layer system with staggered joints. †Thickness is calculated with 7/16" OSB. UPDATED JULY 2014

### H-SHIELD NB

Flat Polyiso Manufactured On-Line 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 47.5"x 95.5" when rabbeted on line and 4'x8' when non-rabbeted
- Available in thicknesses of 1.5" to 4"
- Available with FSC® wood products
- 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