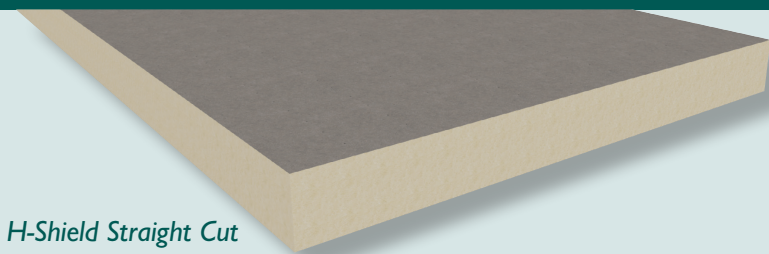


# H-SHIELD STRAIGHT CUT *Custom Cut Polyisocyanurate Insulation*



*H-Shield Straight Cut*

## PRODUCT DESCRIPTION

H-Shield Straight Cut is a rigid roof insulation panel composed of a closed cell polyisocyanurate foam core on each side to fiber reinforced facers.

## FEATURES AND BENEFITS

- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, EPA Compliant, and has virtually no GWP
- Available in custom cut sizes for many different roofing and building applications
- H-Shield Straight Cut is the highest R-Value per inch of any insulation
- H-Shield Straight Cut is available in a variety of different facers: H-Shield, H-Shield CG, H-Shield Foil

## APPLICATIONS

- H-Shield Straight Cut may be used to go over standing seam metal retrofit systems that are to be re-covered with a new roof system
- H-Shield Straight Cut is cut to fit the width of the bottom of the flute in a metal retrofit system



- H-Shield Straight Cut polyiso can also be used as custom flute filler in steel deck or acoustical deck applications
- H-Shield Straight Cut can be used in masonry applications (check codes for local acceptability)
- To achieve a FM Class I Assembly in a roofing application, the top layer of polyiso must be a minimum of 1.5" H-Shield over the H-Shield Straight Cut



## TYPICAL PHYSICAL PROPERTY DATA CHART POLYISO FOAM CORE ONLY

PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM D 1621	20 psi* minimum
	ASTM C 1289	(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 Minimum, Grade 3*

## PANEL CHARACTERISTICS

- Available in thicknesses of 1" - 4" and custom widths.
- Available in two grades of compressive strengths per ASTM C1289, Type II, Class 1 Grade 2 (20 psi), Grade 3 (25psi)

## WARNINGS AND LIMITATIONS

Insulation must be protected from open flame and kept dry at all times. Install only as much insulation as can be covered the same day by completed roof covering material. Hunter Panels will not be responsible for specific building and roof design by others, for deficiencies in construction or workmanship, for dangerous conditions on the job site or for improper storage and handling. Technical specifications shown in this literature are intended to be used as general guidelines only and are subject to change without notice. Call Hunter Panels for more specific details, or refer to PIMA Technical Bulletin No. 109: *Storage & Handling Recommendations for Polyiso Roof Insulation.*



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