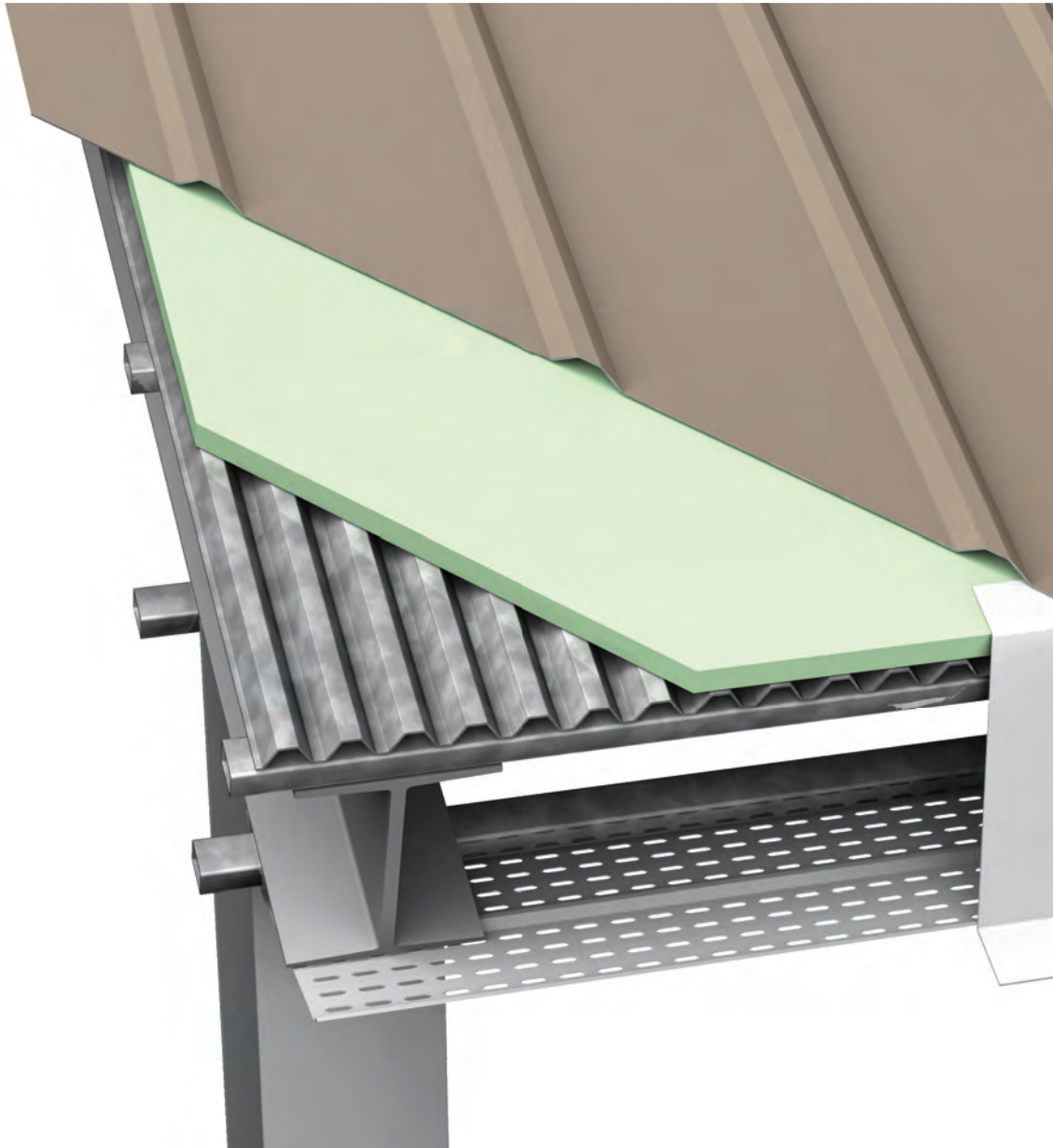


GREENGUARD® APPLICATIONS

Standing Seam Metal Roof Insulation

GreenGuard® 25psi XPS Insulation Board is ideal for insulating metal roof assemblies. With its low moisture absorption, R-Value is retained over the long term. GreenGuard® XPS is light weight and easy to cut.

FOR PROVEN
PROTECTION,
GO GREEN



R-Value = 5 per inch of thickness

Water absorption <0.01%

Compressive strength =25 psi.



870-586-0703

sales@lakeside-fasteners.com

GreenGuard® Type IV 25 PSI Insulation Board

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	1"	1½"	2"	2½"	3"
Product Type*	ASTM C 578	IV	IV	IV	IV	IV
Thermal Resistance, R-Value ¹ (°F-ft ² -h/Btu)	ASTM C 518 (@75°F Mean Temperature)	5	7.5	10	12.5	15
Thermal Conductivity (Btu-in/hr-ft ² °F)	ASTM C 518 (@75° F Mean Temp., k)	0.2	0.2	0.2	0.2	0.2
Compressive Strength (min., psi @ 10% Deflection)	ASTM D 1621	25	25	25	25	25
Water Absorption (Max.% by Volume)	ASTM C 272	0.1	0.1	0.1	0.1	0.1
Water Vapor Permeance (perm)	ASTM E 96 Procedure A	<1.0	<1.0	<1.0	<1.0	<1.0
Fire Characteristics ² Flame Spread Smoke Development	ASTM E 84/UL 723	10 60-200	10 250	10 250	10 250	10 250
Density (min. pcf)	ASTM C 303	1.8	1.8	1.8	1.8	1.8

* Note: GreenGuard Type IV Board meets or exceeds Type X specifications.

DIMENSIONS / PACKAGING

Thickness	1"	1½"	2"	2½"	3"	
Square Feet/Pallet	3,072	2,048	1,536	1,152	960	
Pieces/Pallet	4' x 8'	96	64	48	36	30



Compliance – GreenGuard XPS Insulation Board meets all relevant building codes requirements for foam plastic insulation.

For the most current compliance information, go to www.lakeside-fasteners.com.

See Underwriters Laboratories, Inc. Roof Deck Construction No. 659.

For FM Global Class 1 roof applications involving GreenGuard Insulation Board installed over steel roof decks, refer to the FM RoofNav for approved roof systems. FM requires the use of 1/2 inch thermal barrier between the foam plastic insulation and the underlying steel roof deck.

GreenGuard® Disclaimers and Footnotes

WARNING: Foam insulation will ignite if exposed to fire of sufficient heat and intensity. Protect these products from exposure to open flame or other ignition sources during shipping, storage, and installation.

- Storage and Handling: When stored outdoors, all product should be protected from exposure to direct sunlight using the original packaging or an opaque, light-colored tarp. Material that has been unwrapped should be covered or rewrapped.

- Lakeside believes the information and recommendations herein to be accurate and reliable. However, since use conditions are not within its control, Lakeside does not guarantee results from use of such products or other information herein and disclaims all liability from any resulting damage or loss. NO WARRANTY, EXPRESS OR IMPLIED, IS GIVEN AS TO THE MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, OR OTHERWISE WITH RESPECT TO THE PRODUCTS REFERRED TO.

- For more information on specific building product recommendations and installation guidelines, contact your Lakeside representative.

- GreenGuard Insulation Board is made of synthetic materials that are generally recognized as not providing a food source for insects, mold and mildew.

¹ Specimens were aged and tested in accordance with FTC Rule (16 CFR, Part 460) and ASTM C578.

² These numerical flame spread and smoke ratings are not intended to reflect hazards presented by this material under actual fire conditions.

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7/09

APPL -SSROOF



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