

## ISOGARD™ HD Cover Board

### Item Description

#### **ASTM C1289 Type II, Class 4, Grade 1**

4' x 4' (1.2 m x 1.2 m) ≥ 80 psi

4' x 8' (1.2 m x 2.4 m) ≥ 80 psi

#### **ASTM C1289 Type II, Class 4, Grade 2**

4' x 4' (1.2 m x 1.2 m) ≥ 120 psi

4' x 8' (1.2 m x 2.4 m) ≥ 120 psi

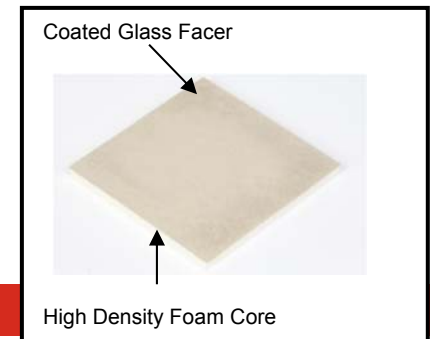
### Item Number

W8H8GG050I (Half Bundle)

W8H8GG050H (Half Bundle)

W8H3GG050I (Half Bundle)

W8H3GG050H (Half Bundle)



## Product Information

### Description:

Firestone ISOGARD HD Cover Board is a half-inch (12.7 mm) thick polyiso with insulating properties. It has a high density, closed-cell, polyisocyanurate foam and coated glass facers. Firestone ISOGARD HD Cover Board provides a high thermal performance when compared to other high density insulations or cover boards.

All Firestone polyisocyanurate insulations use EPA accepted blowing agents. Firestone ISOGARD HD Cover Board with ISOGARD foam technology incorporates a HCFC-free blowing agent that does not contribute to the depletion of the ozone layer (ODP-free).

### Code Approvals:

FM 4450, FM4470, UL 790, UL Classified

### Method of Application:

Insulation shall be neatly fitted to all roof penetrations, projections and nailers. No more insulation shall be installed than can be covered with membrane and completed before the end of each day's work or before the onset of inclement weather.

Firestone ISOGARD HD Cover Board can be applied over:

- existing roof surfaces
- under fully adhered or mechanically attached Single-Ply
- Modified Bitumen systems applied in Multi-Purpose MB Cold Adhesive and BASEGARD™ SA base sheets with a torch applied cap or SBS sand backed cap sheet in hot asphalt

ISOGARD HD Cover Board must be installed using Firestone Fasteners and Plates or one of the following Firestone insulation adhesives:

- I.S.O. Twin Pack™
- I.S.O. Stick™
- I.S.O. Spray™ R
- I.S.O. FIX™ II

### Storage:

Keep insulation dry at all times.

## ISOGARD™ HD Cover Board

### Precautions:

- Elevate insulation above the deck or ground.
- Combustible. Refer to SDS for more information.
- Do not install over wet, damp or uneven substrates.
- Do NOT install when wet.
- Do NOT torch apply membranes to ISOGARD HD cover boards
- Do NOT use hot asphalt to attach or apply asphalt roofing systems to ISOGARD HD cover boards

### LEED® Information:

Recycled Content: approximately 9%\*

\*Contains post industrial recycled content.

Manufacturing Location: Corsicana, TX Youngwood, PA Jacksonville, FL  
DeForest, WI Florence, KY Bristol, CT

\*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

Manufactured in an ISO 9000 Registered Facility  
FM Global Approved when applied with the fastening pattern shown.



### ASTM C1289 Type II, Class 4

## Typical Properties

Property	ASTM Standard	Units	Value	Units	Value
Compressive Strength:	Grade 1	psi	≥ 80	kPa	≥ 551
	Grade 2		≥ 120		≥ 827
Dimensional Stability	D2126	%	<0.5	%	<0.5
Water Absorption	C209	% by volume	<3	% by volume	<3
Service Temperature	---	°F	-100 to 250	°C	-73 to 121
Resistance to Mold	D3273	--	pass	---	pass
Flute Span over metal decks	---	inches	2.625		
Flame Spread	E84	index	50		
Smoke Development	E84	index	160 – 180		

## Product Data

Property	Thickness inches	Thickness mm	R-Value
Thermal Resistance	0.5	12.7	2.5

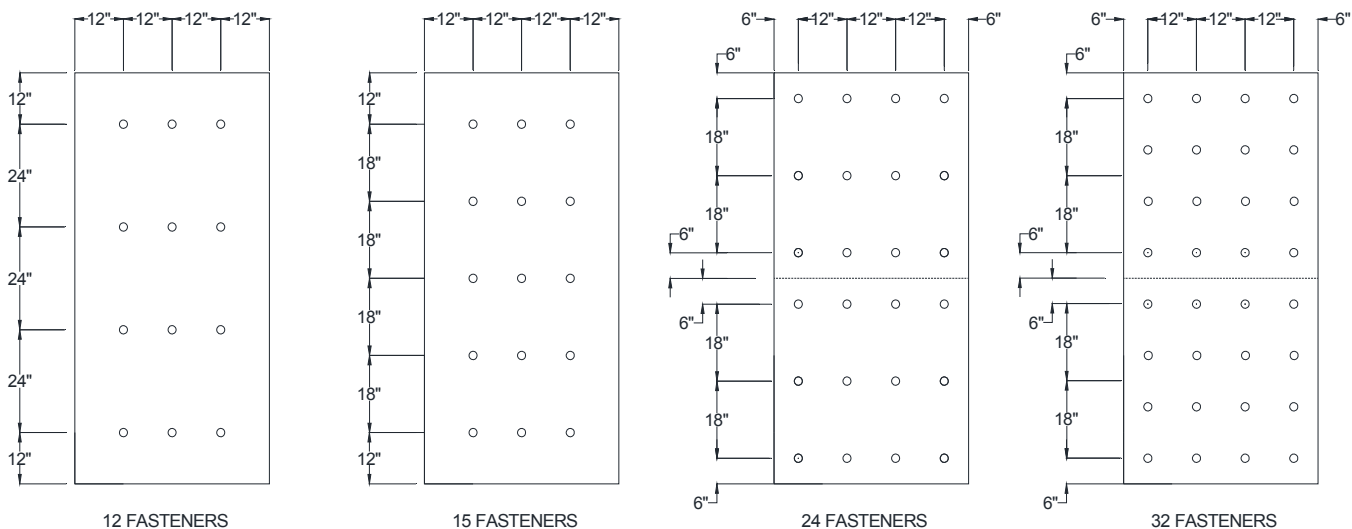
R-Value shown are based on ASTM Test C518 2 75 °F mean

## ISOGARD™ HD Cover Board

### Acceptable Substrates

Property	NOTES:
Structural Concrete, 3000 psi (New & Existing)	Please consult Membrane Design Guides on line at <a href="http://www.firestonebpco.com">www.firestonebpco.com</a> to review specific information regarding fastener types appropriate for the type of deck and insulation in use.
Steel, min. 22 gauge	
Lightweight Concrete <sup>1</sup>	
Plywood and OSB, min. 1/2"	
Gypsum, min. 2"	
<b>NOT ACCEPTABLE:</b>	Do not use hot asphalt to adhere ISOGARD HD cover boards. Firestone ISOGARD HD cover board is not suitable as an immediate substrate for a ballasted roof system.

<sup>1</sup> A vapor retarder is required to be installed under systems with insulation. A properly prepared, existing, dry and sound, uninsulated built-up roof system (all splits and blisters repaired) can be used as a vapor retarder.



**NOTE: Be sure to use the required fastener for an FM approved system.**

Please contact Quality Building Services Technical Department at 1-800-428-4511 for further information.

*This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.*