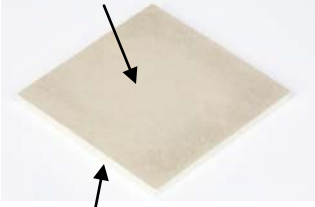
ISOGARD™ HD Cover Board

Item Description	Item Number
4' x 4' (1.2 m x 1.2 m)	W8H3GG0504
4' x 8' (1.2 m x 2.4 m)	W8H3GG0508

Coated Glass Facer



High Density Foam Core

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 the highest 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).

Fire Rated Over a Combustible (Wood) Deck
Firestone ISOGARD HD cover board material has been rated Class B when used in approved roof assemblies.

Superior Hail Resistance
ISOGARD HD cover boards have been given a Severe Rating by Factory Mutual (FM) Global.

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™ S
- I.S.O. FIX™ II

ISOGARD™ HD Cover Board

Storage:

- Keep insulation dry at all times.
- Elevate insulation above the deck or ground.
- Cover insulation with waterproof tarps.

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 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

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

ASTM C1289 Type II, Class 4, Grade 2

Typical Properties

Property	ASTM Standard	Units	Value	Units	Value
Compressive Strength	D 1621	psi	120	kPa	827
Pull Through Resistance	D 473 modified	lbf	210	N	934
Dimensional Stability	D 2126	%	<0.5	%	<0.5
Water Absorption	C209	% by volume	<3	% by volume	<3
Service Temperature	---	°F	-100 to 250	°C	-73 to121
Resistance to Mold	D3273	--	pass	---	pass
Flute Span over metal decks	---	inches	2.625		

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

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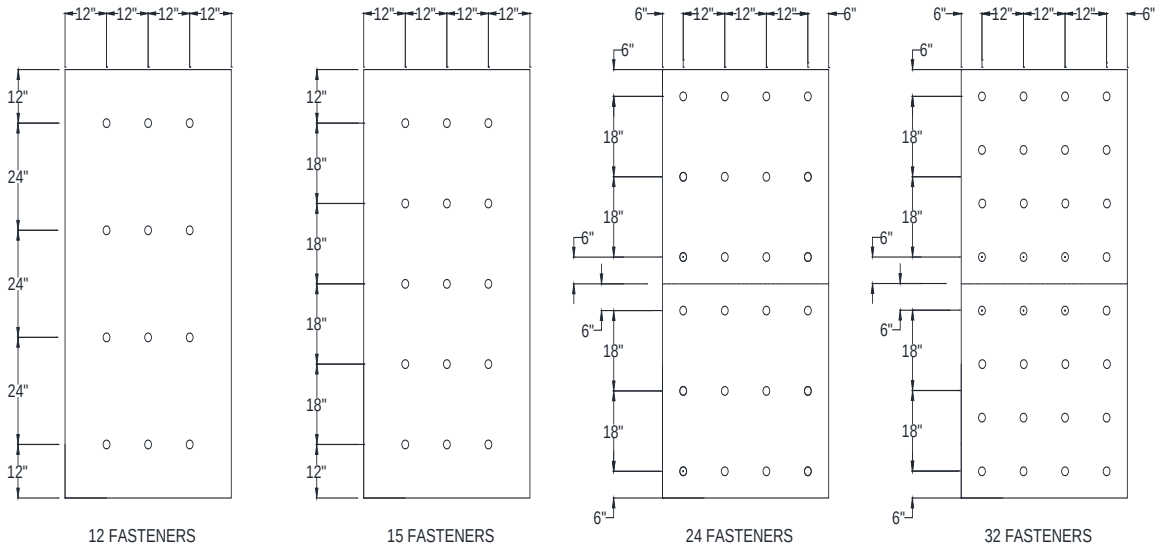
Acceptable Substrates

Property	Notes:
Structural Concrete, 3000 psi (New & Existing)	Please consult Membrane Design Guides on line at www.firestonebpco.com to review specific information regarding fastener types appropriate for the type of deck and insulation in use.
Steel, min. 22 gauge	
Lightweight Concrete[1]	
Plywood and OSB, min. ½"	
Gypsum, min. 2"	
NOT ACCEPTABLE:	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.

1 *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.

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