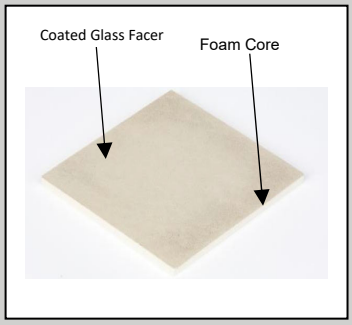
Product Data Sheet



GenFlex HD ISO (Grade 1 or 2)

Item Description	
Grade 1 (109 psi max.) 4' x 4' (1.2 m x 1.2 m) 4' x 8' (1.2 m x 2.4 m)	**Grade 2 (139 psi max.)** 4' x 4' (1.2 m x 1.2 m) 4' x 8' (1.2 m x 2.4 m)

***Meets or exceeds performance requirements and recommendations of ASTM C 1289, Type II, Class 4**

Description

GenFlex HD ISO is a half-inch (13 mm) thick polyiso insulation designed for use as a cover board. It is a high density, closed cell, polyisocyanurate foam core that has been manufactured with a coated glass facer. GenFlex HD ISO provides high thermal performance.

All GenFlex polyisocyanurate insulations use EPA accepted blowing agents and incorporate an HCFC-free blowing agent that does not contribute to the depletion of the ozone (ODP-Free).

Code Approvals

- 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.

GenFlex HD ISO 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

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

- GenFlex ISO Bond
- GenFlex One Step

Storage

Keep insulation dry at all times.

Precautions

- Elevate insulation above the deck or ground.
- Combustible.
- Do not install over wet, damp or uneven substrates.
- Do NOT install when wet.
- Do NOT torch apply membranes to GenFlex HD ISO cover boards
- Do NOT use hot asphalt to attach or apply asphalt roofing systems to GenFlex HD ISO cover boards
- Refer to Safety Data Sheets (SDS) for additional safety information.

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

ASTM C1289 Type II, Class 4

Typical Properties

Property	ASTM Standard	Typical Performance	
Compressive Strength Grade 1: per C1289: (80 psi) min. (551.58 kPa) Grade 2: per C1289: (110 psi min. (758.42 kPa)	D1621	109 psi (751.53 kPa) max 139 psi (958.37 kPa) max	
Weight Grade 1 Grade 2	---	4' x 4' (1.2 m x 1.2 m) 5.5 lb (2.5 kg) 6 lb (2.7 kg)	4' x 8' (1.2 m x 2.4 m) 11 lb (5 kg) 12 lb (5.4 kg)
Thermal Resistance	C518	2.5R	
Dimensional Stability	D2126	<0.50%	
Water Absorption	C209	< 3% by volume	
Service Temperature	---	-100 to 250 °F (-73 to 121 °C)	
Resistance to Mold	D3273	Pass	
Flute Span over metal decks		2.625" (66.7 mm)	
Flame Spread	E84	50	
Smoke Development	E84	160 - 180	

Acceptable Substrates

Substrate	NOTE
Structural Concrete, 3000 psi (New & Existing)	Consult Membrane Design Guides online at www.genflex.com to review specific information regarding fastener types appropriate for the type of deck and insulation in use.
Steel, min. 22 gauge	
Lightweight Concrete*	
Plywood and OSB, min. ½"	
Gypsum, min. 2"	
NOT ACCEPTABLE	Do not use hot asphalt to adhere ½" HD ISO cover boards. GenFlex ½" HD ISO cover board is not suitable as an immediate substrate for a ballasted roof system.

Please contact Amrize Technical Services at 800-428-4511 for further information.