

Technical Information Sheet



ISOgard™ HD Cover Board

Packaging	Part Number
12.7mm, 1220mm x 2250mm, 46 boards per bundle	W84HCC050F
Note: Tuff-wrap packaging.	

Description

The Elevate™ ISOgard™ HD is a 12.7 mm thick polyisocyanurate board designed for use as a cover board in roofing application. It is a high-density, closed-cell, polyiso foam core that has been manufactured with a coated fiberglass facer.

Preparation

Before cover board is placed on the roof deck, the surface must be clean, dry, smooth, free of debris, water, ice or snow, and suitably prepared by removing all defects that might affect the quality of the application.

Method of Application

ISOgard HD shall be neatly fitted to all roof penetrations and projections. No more boards 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.

ISOgard HD can be applied over existing as well as new roof surfaces and under adhered or mechanically attached single-ply roofing membranes. ISOgard HD is not suitable as an immediate substrate for a ballasted roof system.

ISOgard HD must be installed using approved fasteners and plates or insulation adhesives. The number of fasteners per board needs to be determined based on a wind uplift calculation in accordance with local building codes and taking into account a minimum requirement of 12 fasteners per board in case of a fully adhered single-ply roofing membrane and minimum 8 fasteners in case of a mechanically attached membrane. Please contact the Elevate representative for information on fastening patterns. When boards are adhered using an approved insulation adhesive, refer to installation instructions of the adhesive manufacturer.

Characteristics

Properties	Test Method	Declared Value
Dry mass per unit area		1.8 kg/m ² (± 0.3)
Compressive strength	EN 826	≥ 800 kPa
Perpendicular strength (dry state)	EN 1607	≥ 500 kPa
Dimensional stability	EN 1604	$\Delta d \leq 4\%$ $\Delta l, \Delta b \leq 1\%$
Flute span over metal decks		< 67 mm
Water absorption	EN 12087	< 3 %
Reaction to fire	EN 13501-1	Euroclass E
Product Range		
Thickness	12.7 mm	
Dimensions	1220 mm x 2250 mm	
Specification Compliance		
<ul style="list-style-type: none">• FM Global Approved• Manufactured in an ISO 9001 registered facility• Ozone Depleting Potential (ODP): 0• Asbestos-free, Chlorine-free, Formaldehyde-free		

Storage

Cool and dry. Store material in original unopened packaging in a dry area away from sources of physical damage or chemical contamination. Bundles need to be elevated above the water line to prevent moisture infiltration from the bottom side.

Shelf Life

Unlimited, if stored in the above-mentioned conditions.

Precautions

Combustible. ISOGARD HD is a non-structural and non-load-bearing material. Keep boards dry at all times. Do not install over wet, damp or uneven substrates. Do not torch apply membranes to ISOGARD HD and do not use hot asphalt with ISOGARD HD boards.

Note:

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