



ISOGARD™ HD

ADDED STRENGTH AND PROTECTION FOR FLAT ROOFS

Elevate's ISOGARD HD cover board is a 12.7 mm thick, high-density, closed-cell polyisocyanurate (PIR) foam core laminated on both sides to a mineral coated fiberglass facer.

When foot traffic on the roof is heavy, mineral wool insulation runs the risk of being crushed or, in the case of plastic foam insulation, the adhesion of the facer to the foam can be affected. The ISOGARD HD cover board spreads the load and protects the boards underneath. It combines impact resistance and ease of installation in a single durable product. It is also an excellent choice for refurbishment projects, used as recovery board over the existing roofing system.

ISOGARD HD can be applied over existing as well as new roof surfaces and under fully adhered or mechanically attached single-ply roofing membranes.



Scan the QR code and access:

- Technical information sheets
- Installation guidelines
- And much more!

PRODUCT DETAILS

THICKNESS (mm)	THICKNESS (inch)	DIMENSIONS (m)
12.7	0.50	1.22 x 2.25

PROPERTY	EN TEST	DECLARED VALUE
Dry mass per unit area		1.8 kg/m ² (± 0.3)
Compressive stress at 10% deformation	EN 826	≥ 800 kPa
Perpendicular strength (dry state)	EN 1607	≥ 500 kPa
Dimensional stability	EN 1604	Δd ≤ 4% Δl, Δb ≤ 1%
Water absorption	EN 12087	≤ 3%
Reaction to fire (Euroclass)	EN 13501-1	E



Superior thermal resistance

Highest thermal performance of any 12 mm rigid cover board and is resistant to extreme weather conditions.



Wind uplift performance

Superior wind uplift performance. Lays flat and requires fewer fasteners per board, compared to 25 mm insulation boards.



High compressive strength

Over 800 kPa (5 to 6 times that of a standard PIR insulation board).



Added measure of protection

Adds structural strength to the entire roofing system and helps absorb the effects of hail, foot traffic and other potentially damaging impacts. It can also enhance the fire performance of the roofing system.



Quick and easy to install

Easy to cut and handle for quick installation around roofing details such as drains or other penetrations.



Lightweight

Each board weighs only 5 kg, resulting in easy handling and placement.



Durable

When installed correctly, it will last for the lifetime of the building.



Environmentally-friendly

The board is manufactured with a 100% fiberglass, mold and moisture-resistant facer, and contains more than 9% of post-consumer and post industrial recycled combined content. The foam technology uses a HCFC-free blowing agent with a low Global Warming Potential (GWP).