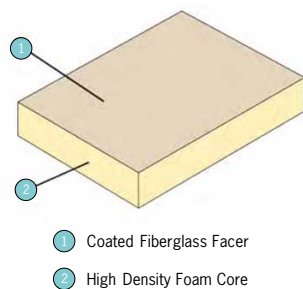




ARDEX HD COVER BOARD

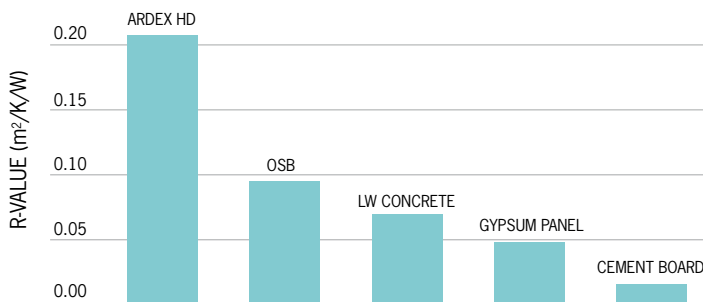
POLYISO ROOF COVER BOARD

ARDEX HD Cover Board is a 12.7 mm thick Polyiso board designed for use as a cover board. It is a high-density, closed-cell, Polyiso foam core that has been manufactured with a coated fiberglass facer.



PROTECTS. CONSERVES. ENDURES

When foot traffic on the roof is heavy, mineral wood boards run the risk of being crushed or, in case of plastic foam insulations, the adhesion of the facer to the foam can be affected. The ARDEX HD Cover Board spreads the load and protects the boards underneath. It therefore often pays, from a life-cycle cost perspective, to protect the insulation boards with ARDEX HD Cover Boards. They combine impact resistance and ease of installation in a single durable product.



FEATURES & BENEFITS

Easy to use

ARDEX HD Cover Board is easy to cut and handle for quick fabrication around roofing elements such as drains or other penetrations, reducing installation time and labour costs. A single 1.22 m x 2.25 m sheet of ARDEX HD Cover Board weighs only 5 kg, meaning easy manipulation and placement.

Outstanding performance qualities

ARDEX HD Cover Board leads to superior wind uplift performance, lays flat and requires fewer fasteners per 1.22 m x 2.25 m board compared to 25 mm insulation boards. ARDEX HD Cover Board has the highest thermal performance (determined by ASTM C518) of any 12 mm cover board, and it is resistant to extreme weather conditions.

Environmentally friendly

ARDEX HD Cover Board is composed of mould-resistant material that does not support growth of damage causing fungi and bacteria. The board is manufactured with a 100% fiberglass, mould and moisture resistant facer. ARDEX HD Cover Board contains 8% Post Industrial Recycled Content. It uses a HCFC-free blowing agent that does not contribute to the depletion of the ozone layer and there are insignificant amounts of global warming potential.

An added measure of protection

With a compressive strength of more than 700 kPa (5 to 6 times that of a normal PIR insulation board), ARDEX HD Cover Board adds structural strength to the entire roofing system and helps to absorb the effects of hail, worker traffic and other potentially damaging impacts.



Images courtesy of Firestone Building Products

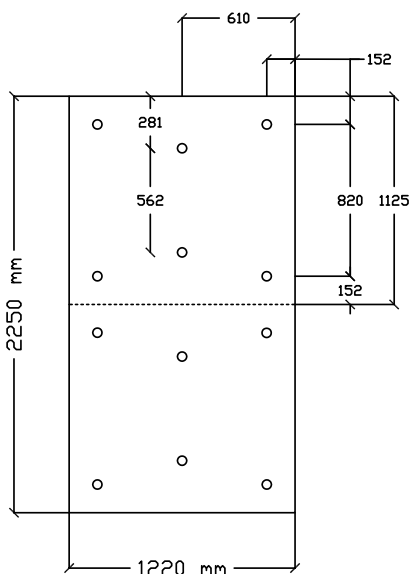
METHOD OF APPLICATION

ARDEX 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.

ARDEX HD can be applied over existing roof surfaces and under adhered or mechanically attached single-ply roofing membranes. ARDEX HD Cover Board must be installed using approved fasteners and plates or insulation adhesives.

Number of fasteners per board are determined based on wind uplift calculations in accordance with local building codes and taking into account a minimum requirement of 12 fasteners per board. Please consult ARDEX Technical Department for information on fastening patterns.

DO NOT use hot asphalt with ARDEX HD. DO NOT install ARDEX HD under ballasted systems.



12 fasteners

PHYSICAL PROPERTIES

Property	ASTM test	Typical Value
Density	D-1622	80 kg/m ³
Compressive strength	D-1621	827 kPa
Resistance to mold	D-3273	Pass
Foot traffic resistance	Rolling Load Emulator	> 6000 passes
Dimensional stability	D-2126	< 0.5%
Water absorption	C-209	< 3% (by volume)
Thermal		
Conductivity (R Value)	C518	R0.22 (m ² /K/W)

Thickness (mm)	Dimensions (m)	Weight
12.7	1.22 x 2.25	5kg/board

RANGE OF INSTALLATION OPTIONS

- Used as a cover board over mineral wool and EPS insulation
- Ideal as a backer board against upstands
- Suitable over existing bitumen sheet membranes
- Can be applied directly onto steel support (as long as flute span is less than 70mm) recover over metal deck.

ARDEX Australia Pty Ltd

Technical Services Toll Free: 1800 224 070

New South Wales	Ph (02) 9851 9100	Fax (02) 9838 7970
Queensland	Ph (07) 3817 6000	Fax (07) 3881 3188
Victoria/Tasmania	Ph (03) 8339 3100	Fax (03) 9308 9332
South Australia	Ph (08) 8406 2500	Fax (08) 8345 3207
Western Australia	Ph (08) 9256 8600	Fax (08) 9455 1227

ARDEX New Zealand Ltd

Technical Services Toll Free: 0800 227 339

Auckland	Ph (09) 5800 005	Fax (09) 5799 963
Wellington	Ph (04) 5685 949	Fax (04) 5686 376
Christchurch	Ph (03) 3736 900	Fax (03) 3849 779