

September 2015

TECHNICAL DATASHEET

HYTHERM ADH

Durable, lightweight PIR insulation for warm roofs (flat board or tapered)

HYTHERM ADH is a high performance board used in warm roofs under reinforced bituminous membranes, mastic asphalt and approved single-ply waterproofing systems.

The board comprises a rigid polyisocyanurate (PIR), core faced on both sides with a perforated mineral coated glass fleece.

The high compression strength and excellent dimensional stability mean that the board benefits from the flat surface finish required to ensure excellent performance.



Features

- GWP (Global Warming Potential) rating – below 5
- ODP (Ozone Depletion Potential) – zero
- achieves 'A' rating in BRE Green Guide 2008 under element number 815320017
- manufactured in accordance with ISO 14001 and ISO 9001
- excellent thermal performance
- high compression strength
- 0.024 W/mK lambda (dependent on thickness)
- will not degrade or deteriorate if exposed to moisture
- achieved an EXT.F.AC rating when tested to BS 476-3: 2004 and CEN/TS 1187:2012
- easy handling and installation
- available in a range of thicknesses from 25mm – 150mm
- board size: 1200mm x 600mm

Technical Data – Hytherm ADH

Thermal conductivity	0.024 W/mK (thicknesses 120mm and above) 0.025 W/mK (thicknesses between 80mm and 119mm) 0.026 W/mK (thicknesses below 80mm)
Compression strength	Exceeds 150 kPa at yield
Moisture vapour resistance	Installed value of 15 MNs/g
Fire performance	Class 1 BS 476 (Part 7)
Dimensions	1200mm (l) x 600mm (w) Available as tapered insulation board
Facing	Perforated mineral coated glass fibre tissue to both sides.

Thermal Resistance

Product code	Thickness (mm)	R value (m ² K/W)
RC-ADH/25	25	0.96
RC-ADH/40	40	1.50
RC-ADH/50	50	1.90
RC-ADH/60	60	2.30
RC-ADH/70	70	2.65
RC-ADH/80	80	3.20
RC-ADH/90	90	3.60
RC-ADH/100	100	4.00
RC-ADH/120	120	5.00
RC-ADH/130	130	5.40
RC-ADH/140	140	5.80
RC-ADH/150	150	6.25

Typical U-values

U-values will vary depending on application and are available on request.

Installation

All products must be installed in accordance with instructions issued by the manufacturer. For further details contact Axter Ltd.

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