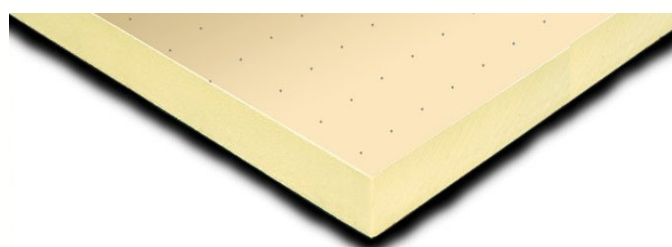


AXTER HYTHERM ADH INSULATION

Axter Hytherm ADH provides a quick and easy method of achieving effective thermal insulation in flat roofing structures.

AXTER HYTHERM ADH is a high performance board used in warm roofs under reinforced bituminous membranes, mastic asphalt and approved single-ply membrane waterproofing systems. It is manufactured from a closed cell, CFC and HCFC-free (zero ozone depletion), rigid polyisocyanurate (PIR) foam, core faced on both sides with a perforated mineral coated glass fibre tissue.

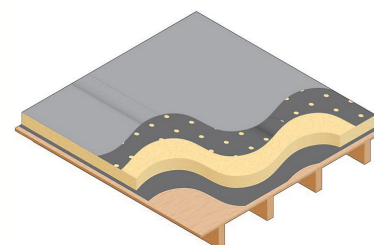


HYTHERM ADH has **zero ozone depletion potential (Zero ODP) and a global warming potential (GWP) of less than 5**. CE marking complies with BS EN 13165:2001 and the product is manufactured in accordance with quality management system BS EN ISO 9001:2000, Environmental Management System ISO 14001:2004 and LPCB Loss Prevention Standard LPS 1181. All products must be installed in accordance with instructions issued by the manufacturer.

BENEFITS

Hytherm ADH:

- is designed for use in a variety of flat roof systems
- achieves U-values with minimum thickness
- has an exceptionally low thermal conductivity of 0.025 W/mK, up to 30% more efficient than other types of insulation materials
- is strong, durable and maintenance-free
- is rot proof
- is dimensionally stable and unaffected by temperature cycles
- is lightweight and easily cut to shape
- is safe from interstitial condensation and requires no roof ventilation
- comes in a range of thicknesses from 25mm – 150mm
- board size: 1200mm x 600mm



Hytherm ADH over timber deck

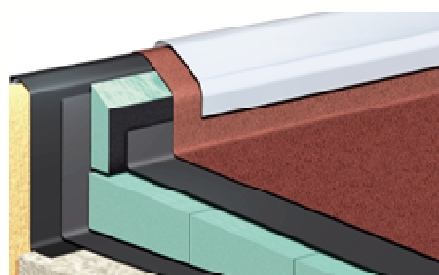
APPLICATIONS

The perforated facers are suitable for bonding in the following flat roofing applications:

- Mastic asphalt
- Bituminous built-up roofing systems

TECHNICAL DATA

Required U-value W/m ² °C	HYTHERM ADH (PIR) mm
0.25	90
0.22	100
0.20	110
0.18	130
0.15	150
0.13	180
0.12	200
0.10	240



Lightweight

12.5 mm plasterboard ceiling

100 mm cavity

Profiled metal deck, 19 mm OSB / plywood

VAP AL v.c.l.

HYTHERM ADH thermal insulation $k=0.025$ W/m²°C

EXCEL / SPOT waterproofing system

Physical Properties

	Method	Hytherm ADH
Compressive strength	BS EN 826	≥120kPa
Water vapour transmission	BS EN 12086:Method B	>15 MNs/g
Thermal conductivity	BS EN 13165:2001	0.025 W/mk
Reaction to fire	BS EN 13501	Euroclass F

Typical U-values

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

Installation

For installation and other information, please contact Axter Ltd or visit www.axter.co.uk and submit an enquiry.