

September 2015

## TECHNICAL DATASHEET

# HYTHERM BF

## High performance rigid PIR insulation for warm flat roofs (flat board and tapered)

HYTHERM BF PIR insulation board is designed to provide optimum stability and structural integrity in warm roof constructions with hot applied bituminous waterproofing systems, including torch-on.

HYTHERM BF is faced on both sides by a bitumen 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.



### Applications

Warm flat roofs under:

- torch-on bituminous waterproofing systems
- built-up felt
- bitumen compatible single ply waterproofing systems
- mastic asphalt

### Features

- Lightweight, easy to handle
- Also available in tapered forms to assist roof drainage
- Flattest possible finish results in easier installation
- GWP (Global Warming Potential) rating – below 5
- ODP (Ozone Depletion Potential) – zero
- Manufactured in accordance with ISO 14001 and ISO 9001
- Excellent thermal performance
- High compression strength
- achieved an EXT.F.AC rating when tested to BS 476-3: 2004 and CEN/TS 1187:2012
- Will not degrade or deteriorate if exposed to moisture
- available in a range of thicknesses from 50mm – 150mm
- board size: 1200mm x 600mm

## Technical Data – Hytherm BF

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 in tapered forms
Facing	Bitumen glass fleece on both sides

## Thermal Resistance

Product code	Thickness (mm)	R value (m <sup>2</sup> K/W)
RC-BF/50	50	1.90
RC-BF/60	60	2.30
RC-BF/80	80	3.20
RC-BF/90	90	3.60
RC-BF/100	100	4.00
RC-BF/120	120	5.00
RC-BF/130	130	5.40
RC-BF/140	140	5.80
RC-BF/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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