

# EUROTHANE<sup>®</sup> SILVER



EUROTHANE SILVER is a premium PIR insulation board for use in warm flat roofs under mechanically fixed single-ply membrane waterproofing systems.

## Product Overview

- Premium PIR insulation
- 0.023 W/mK lambda
- Factory Mutual (FM) and LPCB LPS1181 approved
- Low Global Warming Potential
- Zero Ozone Depletion Potential



For Flat Roofs



Lightweight Board



Easy Handling and Installation



ISO 9001



Fire Performance



Moisture Tolerant

## NBS Clauses

Details also available in NBS Plus.  
NBS users should refer to clause(s):  
J42/10, 420

## Introduction

EUROTHANE SILVER is a premium PIR insulation board for use in warm flat roofs under mechanically fixed single-ply membrane waterproofing systems.

With EUROTHANE SILVER, you are specifying a board that:

- ▲ Has a low thermal conductivity value (0.023 W/mK) providing an excellent thermal performance.
- ▲ Has Class 1 fire performance in accordance with BS 476 (Part 7).
- ▲ Is available in a range of thicknesses from 30mm – 160mm and in a board size of 2500mm x 1200mm.
- ▲ Will not degrade or deteriorate if exposed to moisture, therefore maintaining its thermal performance.
- ▲ Is Factory Mutual (FM) and LPCB LPS1181 approved.

## Applications

- ▲ Warm flat roofs under mechanically fixed single-ply membrane waterproofing systems.

## Installation Guidelines

For full details of the installation of EUROTHANE SILVER, please refer to the applications pages of the relevant Specifier's Guide.

See applications section for installation and handling.



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# EUROTHANE SILVER Thermal Resistances



Product Code	Thickness (mm)	R-value (m <sup>2</sup> K/W)
64030/001	30	1.30
64030/002	40	1.70
64030/003	50	2.15
64030/004	60	2.60
64030/005	70	3.00
64030/006	80	3.45
64030/089	90	3.90
64030/007	100	4.30
64030/128	110	4.75
64030/129	120	5.20

## Product Details

<b>Thermal Conductivity</b>	0.023 W/mK
<b>Compression Strength</b>	>150kPa
<b>Moisture Vapour Resistance</b>	Installed value of 100 MNs/g
<b>Fire Performance</b>	Class 1 BS 476 (Part 7)
<b>Tensile Strength</b>	Installed value of 80kPa min
<b>Dimensions</b>	2500mm (l) x 1200mm (w) Available as tapered insulation board.
<b>Facing</b>	Multilayer coated aluminium on both sides
<b>Certification</b>	Factory Mutual (FM) approved LPCB (LPS 1181) approved

## Sustainable Solutions

Recticel EUROTHANE SILVER has been designed and manufactured to result in the lowest environmental impact. EUROTHANE SILVER has a zero ODP (Ozone Depletion Potential) and a GWP (Global Warming Potential) rating of below 5.

## Specification Clause

The insulation shall be Recticel EUROTHANE SILVER \_\_\_\_mm thick for use in mechanically fixed single-ply membrane flat roofing applications, manufactured in accordance with an ISO 9001 quality management system. It should be FM and LPCB approved and comprise a rigid polyisocyanurate (PIR) core faced on both sides with a gas tight multilayer composite aluminium foil facing. The product should have a GWP of below 5, a zero ODP and achieve a CE marking compliance to BS EN 13165. EUROTHANE SILVER should be installed in accordance with Recticel's recommendations.

## Typical U-values

U-values will vary depending on application and construction. To obtain a calculation under the BBA Competent Person Scheme, email [technicalservices@recticel.com](mailto:technicalservices@recticel.com)

## Contact Details

### Technical Desk

For all technical enquiries or requests for product support, please contact:

### Freephone

0800 0854079

### Email

[technicalservices@recticel.com](mailto:technicalservices@recticel.com)

### Online

For further information visit [www.recticelinsulation.co.uk](http://www.recticelinsulation.co.uk)

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