

PLYLOK is a high performing, resilient PIR insulation board for use in warm flat roofs under built-up felt and single-ply waterproofing systems.

## Product Overview

- High performing, resilient PIR insulation / plywood laminate
- 0.022 W/mK lambda
- High compression strength
- Low Global Warming Potential
- Zero Ozone Depletion Potential



For Flat Roofs



Lightweight Board



Easy Handling and Installation



ISO 9001 and ISO 14001

## NBS Clauses

Details also available in NBS Plus. NBS users should refer to clause(s): J41/10, 420, J42/10, 420

## Introduction

PLYLOK is a high performing, resilient PIR insulation board for use in warm flat roofs under built-up felt and single-ply waterproofing systems.

PLYLOK consists of an insulation board bonded to a 6mm plywood top layer and boasts high compression strength, dimensional stability and consistent board sizes.

With PLYLOK, you are specifying a board that:

- ▲ Has a low thermal conductivity value (0.022 W/mK) compared to some other PIR boards in the market, providing an excellent thermal performance.
- ▲ Is available in a range of thicknesses from 56mm – 156mm and in a board size of 2400mm x 1200mm.
- ▲ Will not degrade or deteriorate if exposed to moisture, therefore maintaining its thermal performance.

## Applications

- ▲ Warm flat roofs under:
  - built-up felt.
  - single-ply waterproofing systems.

## Installation Guidelines

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

See applications section for installation and handling.



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## PLYLOK Thermal Resistances

Product Code	Thickness (mm)	R-value (m <sup>2</sup> K/W)
64383/001	56	2.30
64383/005	96	4.10
64383/007	116	5.00
64383/008	126	5.45

## Product Details

<b>Thermal Conductivity</b>	0.022 W/mK insulation
<b>Compression Strength</b>	Exceeds 150kPa at yield
<b>Moisture Vapour Resistance</b>	Installed value of 100 MNs/g
<b>Fire Performance</b>	Class 1 BS 476 (Part 7) – insulation only
<b>Dimensions</b>	2400mm (l) x 1200mm (w)
<b>Facing</b>	Multilayer coated aluminium foil to both sides and 6mm plywood bonded to one side.

## Sustainable Solutions

Recticel PLYLOK has been designed and manufactured to result in the lowest environmental impact. This drives our 'A rating' in the BRE Green Guide 2008 under element number 815320017. PLYLOK has a zero ODP (Ozone Depletion Potential) and a GWP (Global Warming Potential) rating of below 5.

## Specification Clause

The insulation shall be Recticel PLYLOK \_\_\_\_mm thick for use in built-up felt and single-ply membrane flat roofing applications, manufactured in accordance with an ISO 9001 quality management system and an ISO 14001 environmental management system. It should comprise a rigid polyisocyanurate (PIR) core faced on both sides with a gas tight multilayer composite aluminium foil facing together with a 6mm plywood sheet on the upper face. The product should have a GWP of below 5 and a zero ODP. PLYLOK 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

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### Email

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### Online

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

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