

Introduction

Polyroof Inverted-Therm Insulation is lightweight, strong, moisture resistant and easy to cut and shape, providing thermal performance and strength for the lifetime of the building

Polyroof's liquid roofing systems are ideal for inverted roof designs and are BBA certified to last the design life of the roof within buried membrane configurations.

Key Features

- High compressive strength: 300 kPa
- Moisture absorption & vapour resistivity: 1.1% absorption by volume
- Robust for dimensional stability and tolerance with long term thermal performance
- Excellent freeze-thaw performance
- HFC, CFC & HCFC free and 100% recyclable
- Used in conjunction with the Polyroof Inverted-Therm WFRL

Product Information



U Value	Polyroof Inverted-Therm Thickness (mm)
0.25	130
0.24	160
0.23	160
0.22	160
0.21	160
0.20	160
0.19	180
0.18	180
0.17	200
0.16	200
0.15	220
0.14	230
0.13	250 (180 + 70mm)
0.12	270 (200 + 70mm)
0.11	290 (220 + 70mm)
0.10	320 (2 x 160mm)

Technical Data

Characteristic	Value
Insulant type	Extruded Polystyrene
Compressive Strength	300 kPa
Declared Thermal Conductivity (λ 90:90)	0.033 W/mK
Design Thermal Conductivity (EN ISO 10456 / ETAG031 Annex B)	0.034 W/mK (\geq 100mm)
Design Thermal Conductivity (EN ISO 10456 / ETAG031 Annex B)	0.035 W/mK ($<$ 100mm)
Water flow reduction layer	Polyroof Inverted-Therm WFRL
Board Size	1250 x 600mm
Profile	15mm Lap Joint 4 sides
Colour	Orange

Preparation and Installation

Prior to the installation of the inverted roof build-up, the membrane is inspected by Polyroof Products Ltd.

A drainage layer (optional) is to be installed prior to the installation of the Polyroof Inverted-Therm Insulation followed by the Polyroof Water Flow Reducing Layer (WFRL) and ballast (Pebbles / paving slabs).

When used within the inverted roof, the Polyroof Water Flow Reduction Layer minimises heat loss through rainwater cooling and is an integral component of the Polyroof Inverted Roof System.

Storage and Handling

Polyroof Inverted-Therm insulation boards must be protected and suitable stores and should not be exposed to flame or other ignition sources.

Health and Safety

Safety Data Sheets available on request.

Technical Assistance

For further information, please contact Polyroof Technical Services on 0800 801 890. More information can also be found at www.polyroof.co.uk.