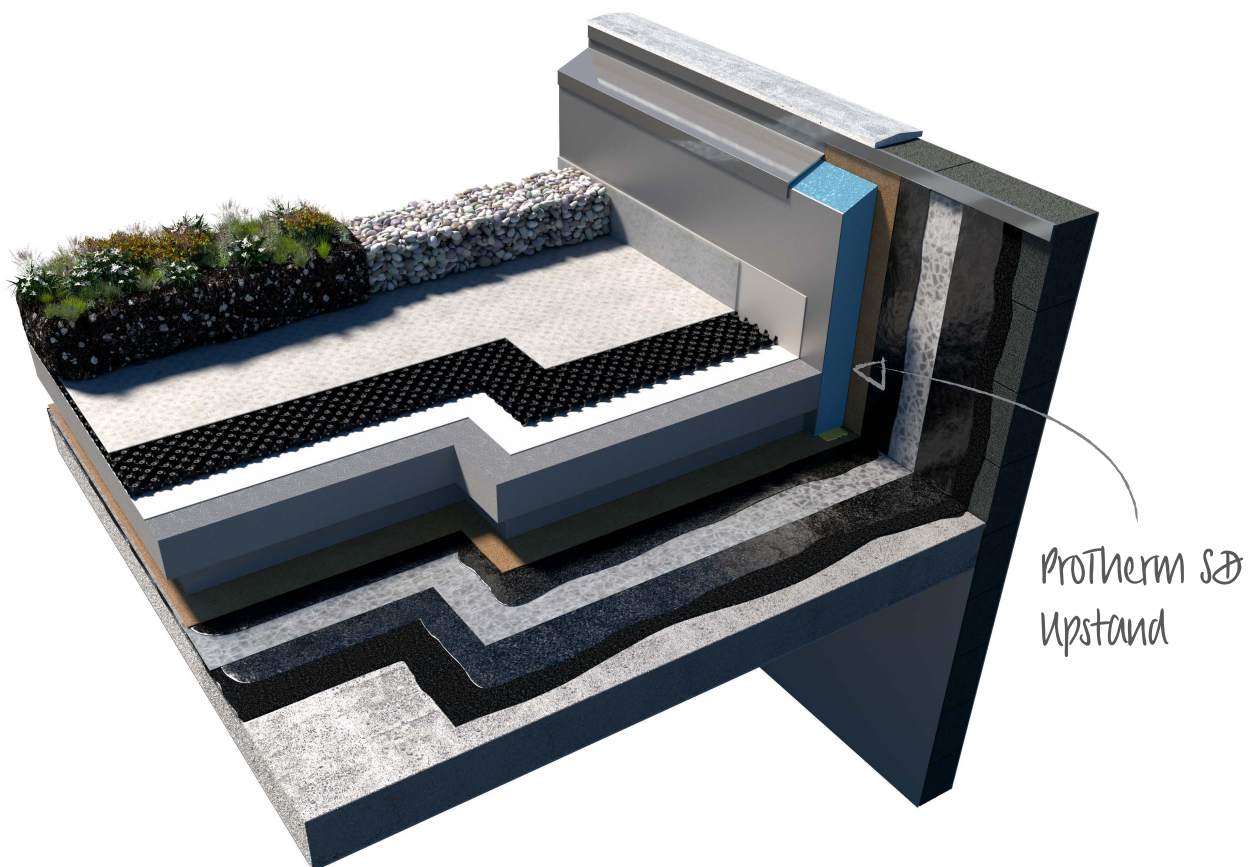


ProTherm SD Upstand

Product Data Sheet



ProTherm

SD Upright Insulation Board

General Information

ProTherm SD Upright Insulation Board is used to thermally insulate and protect upright walls. Manufactured from a CO₂ blown extruded polystyrene foam factory laminated to a 6mm thick weather resistant high impact facing board. Available in a range of thicknesses, see declared performance table for available thickness.

ProTherm SD Upright Insulation Board has a Zero Ozone Depletion Potential (ODP), a Global Warming Potential (GWP) of less than 5 and an A rating in accordance with the Green Guide to Specification.

For use with Inverted roofing waterproofing such as PermaQuik PQ6100, EshaFlex, EshaUniversal and ParaFlex.

For a comprehensive NBS J31 specification contact Radmat Building Products.

Certificates

ISO 9001@2008 Quality Management System, ISO 14001 :2004 Environmental Management System, EPD as per ISO 14025 and EN 15804.

Delivery conditions

Delivery form

Shrunk wrapped on a pallet, quantity depending on board thickness.

Storage and transport

During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources. This material contains a halogenated flame retardant additive system to inhibit accidental ignition from small fire sources.

Product identification

Information on the pack; Product name. Dimensions. Approvals. Production date.

ProTherm

SD Upstand Insulation Board

Installation Instructions

Install ProTherm SD Upstand Insulation Board after completion of the PermaQuik PQ6100 or EshaFlex inverted roofing system.

ProTherm SD Upstand Boards should be trapped at the base by the horizontal ProTherm insulation board. As long as the ProTherm SD upstand boards are well protected no additional attachment method is required unless the ProTherm SD upstand board is more than 3 times the height of the horizontal ProTherm insulation board.

Where the ProTherm SD Board is more than 3 times the height of the horizontal ProTherm insulation board, and less than 750mm in height, the ProTherm SD Board must be either:

- trapped at the base by the horizontal ProTherm insulation board and bonded with INSTA-STIK Roofing Adhesive applied in 19-25 mm beads at 300mm centres for the full height of the ProTherm SD Board.
- trapped at the base by the horizontal ProTherm insulation board and have continuous retention across the top face of the board.

Where the ProTherm SD Board exceeds 750mm above the roof finishes and is trapped at the base by the horizontal ProTherm insulation board the ProTherm SD Board must be either:

- bonded with INSTA-STIK Roofing Adhesive applied in 19-25 mm beads at 300mm centres for the full height of the ProTherm SD Board AND have a single DDS fixings (or equal approved) installed through the centre of the ProTherm SD Board a minimum of 75mm from the top of the ProTherm SD Board.
- Mechanically fixed directly to the upstand wall at 600mm centres using Speedline DDS fixings (or equal approved).

Where ProTherm SD board is not trapped at the base by the horizontal ProTherm insulation the ProTherm SD Board must be either:

- bonded with INSTA-STIK Roofing Adhesive applied in 19-25 mm beads at 300mm centres for the full height of the ProTherm SD Board at all times. All the mechanical fastening rules related to height stated above also apply.
- Mechanically fixed directly to the upstand wall at 600mm centres using Speedline DDS fixings (or equal approved).

Speedline DDS fixings (or equal approved) must be a minimum of 40mm longer than the overall thickness of the board. The fixings should be positioned at least 50mm but not more than 200mm from the top of the facing board.

Where it is necessary to cut ProTherm SD Upstand Insulation Board to size use a TCT saw (suitable PPE must be used including a face mask to guard against dust).

ProTherm

SD Upright Insulation Board

PRODUCT DESCRIPTION				
Appearance top side	Grey Skin			
Core	Extruded polystyrene			
Appearance bottom side	Blue Foam			
DECLARED PERFORMANCE				
Essential characteristics	Performance	Unit	EN Code	Standard
Ozone Depletion Potential	Zero	-	-	-
Global Warming Potential	< 5	-	-	-
BRE Green Guide Rating	A	-	-	-
Sheet size - Length	2400	mm	-	BS EN 822
- Width	1200	mm	-	BS EN 822
Tolerances	±2	-	-	-
Tolerances	Square	-	-	-
Weight (board / m²)	SD20	24.9 / 8.65	kg	-
	SD40	26.8 / 9.31	kg	-
	SD50	27.8 / 9.64	kg	-
	SD60	28.7 / 9.97	kg	-
	SD80	30.6 / 10.63	kg	-
	SD100	32.5 / 11.29	kg	-
	SD120	34.4 / 11.95	kg	-
	SD150	37.3 / 12.94	kg	-
Facing: high performance, heavy duty, exterior grade fibre-cement sheet				
Colour	Grey	-	-	-
Thickness - nominal	6	mm	-	-
Density	1320	kg/m³	-	-
Thermal Conductivity	0.30	W/mK	-	-
Flexural Strength (average Parallel and Transverse)	18	MPa	-	-
Insulation: Styrofoam LB A Extruded Polystyrene (XPS)				
Colour	Blue	-	-	-
Thickness	20, 40, 50, 60, 80 ,100, 120, 150	mm	-	-
Tolerance - Thickness	±0.5	mm	-	BS EN 823
- Width	±5	mm	-	BS EN 822
- Length	±10	mm	-	BS EN 822
Compressive strength	300	kPa	-	BS EN 826
Thermal conductivity - <80mm	0.035	W/mK	λD	BS EN 13164
- 81 - 120mm	0.036	W/mK		BS EN 13164
- >120mm	0.038	W/mK		BS EN 13164
Nominal Density (foam only)	33	kg/m³	-	BS EN 1602
Water Absorption by immersion	0.07	%	-	BS EN 12087
Fire Performance	Class E	-	-	BS EN 13501-1
Coefficient of linear thermal expansion	0.07	mm/mK	-	-

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call **01858 410372**, email tech enquiries@radmat.com or visit our website www.radmat.com **JAN 2019**