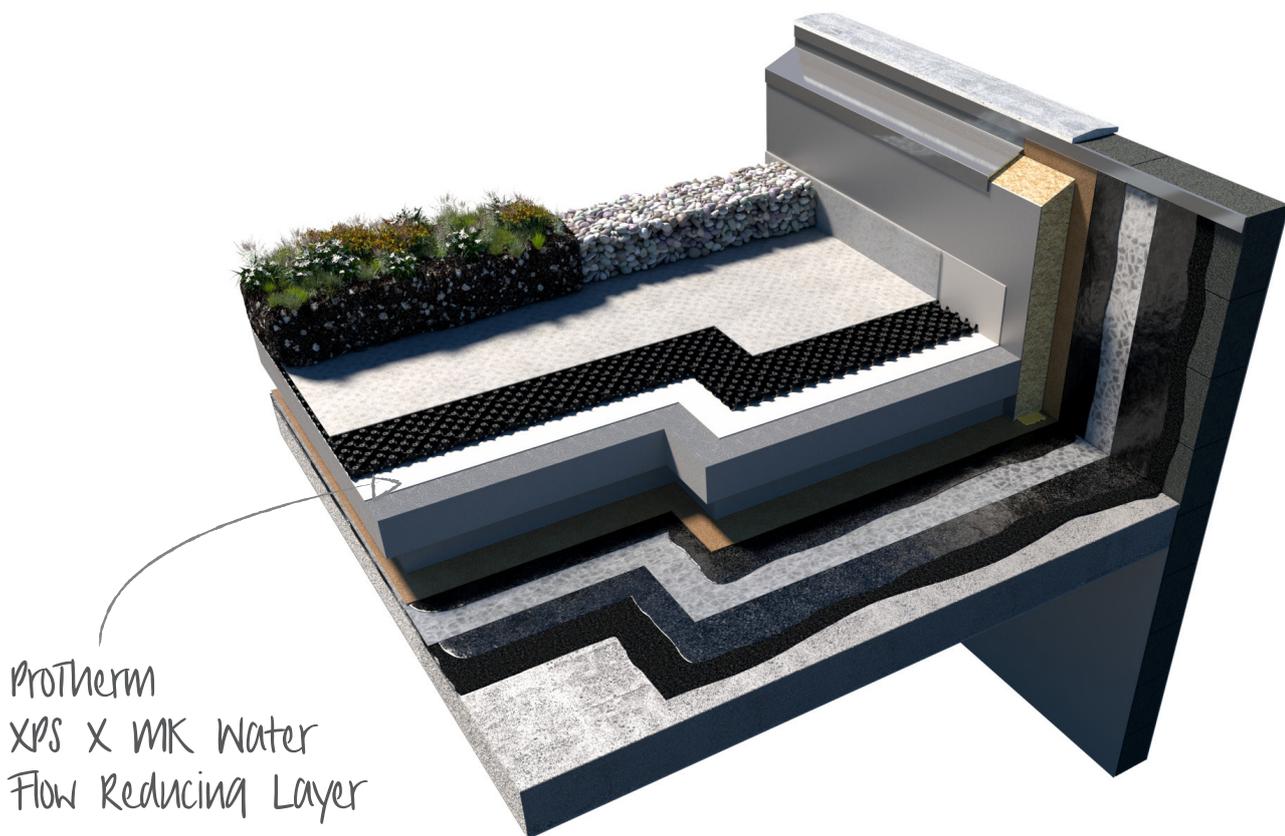


# ProTherm XPS X MK

## Product Data Sheet



# ProTherm XPS X MK

## Water Flow Reducing Layer

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### General Information

**ProTherm XPS X MK Water Flow Reducing Layer** is a spun bonded polyethylene geotextile based upon Tyvek® by DuPont that is waterproof and vapour permeable.

ProTherm XPS X MK Water Flow Reducing Layer replaces the usual separating layer laid between the insulation and ballast, prevented from reaching the waterproofing layer and almost completely eliminating the rainwater cooling effect.

When installed with ProTherm G XPS X 300 SL Inverted Roof Insulation or ProTherm G XPS X 500/700 SL Inverted Roof Insulation in an inverted roof ProTherm XPS X MK Water Flow Reducing Layer reduces the rainwater cooling, reducing the required insulation thickness by 2%.

### Certificates

ISO 9001: 2008 Quality Management System, ISO 14001: 2004 Environmental Management System, EPD as per ISO 14025 and EN15804.

### Installation Instructions

Lay ProTherm XPS X ULTRA 300 SL/ProTherm G XPS X 300 SL.

Unroll and loose lay over the insulation, unrolling across the slope/direction of fall at the bottom of the slope next to the parapet wall or upstand.

Overlap the next roll by 300 mm creating an unsealed overlap joint in the downward direction of the roof slope/fall. When doing runs longer than the roll offset the 300mm wide end laps roll to roll in a brick bond fashion.

Temporary ballast as you go, checking the side and end laps remain at 300mm wide.

Cut separate strips for use at upstands and penetrations. Cut with scissors and take care not to damage the ProTherm XPS X ULTRA 300 SL/ProTherm G XPS X 300 SL insulation. Ensure the strips are wide enough to provide a 300mm overlap onto the flat roof at the base and high enough to terminate at the level of the finishes. At the bottom of the slope/fall tuck beneath the first flat sheet installed.

At drainage outlets star cut the WFRL and turn down into the insulation board.

At square or rectangular penetrations cut strips of WFRL wide enough overlap 300mm beneath the flat WFRL and reach the level of the finishes.

At soil vent pipes or round penetrations, the 300mm base of the WFRL should be star cut and tucked beneath the flat WFRL. A separate piece of WFRL should then wrap the pipe to the height of the finished to aid continuity.

### Delivery conditions

#### Delivery form

Shrunk wrapped on a pallet.

#### Storage and transport

During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.

#### Product identification

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

# ProTherm XPS X MK

## Water Flow Reducing Layer

### PRODUCT DESCRIPTION

<b>Appearance top side</b>	Light grey
<b>Core</b>	Spun bonded polyethylene
<b>Appearance bottom side</b>	Off white

### DECLARED PERFORMANCE

Essential Characteristics	Performance	Unit	Standard
<b>Dimensions and Tolerances</b>			
- Weight per roll	19	kg	-
- Fabric weight	63	g/m <sup>2</sup>	-
- Width	3	m	-
- Roll length	100	m	-
<b>Reaction to Fire</b>	Class E*		EN 11925-2
<b>Mechanical Properties</b>			
- Resistance to tearing MD (nail shank)	50**	N	EN 12310-1
- Resistance to tearing XD (nail shank)	45**	N	EN 12310-1
<b>Hygrometric properties</b>			
- Water vapour transmission (S <sub>d</sub> )	0.01**	m	EN ISO 12572 (C)
<b>Other properties</b>			
- UV Exposure	up to 4 months	-	-
- Water column	1.5**	m	EN 20811

\* Tested on XPS

\*\* Nominal

### NBS Specification Clauses

Please view on NBS Source here:

<https://source.thenbs.com/product/protherm-xps-x-mk-wfirl/>

For a comprehensive NBS specification contact Radmat Building Products.

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.

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