

## WONDERBUILDS 3KG A FILM UNDERLAY

**WONDERBUILDS 3KG A FILM UNDERLAY** is an elastomeric Modified Bitumen Membrane used for various waterproofing applications. It is manufactured in a high-tech calendaring process, which involves the saturation and coating of a fibre-glass fleece carrier with a SBS elastomer-modified bitumen compound. The SBS modifiers are used to improve the thermal, chemical, and ageing properties of the bitumen compound. Meanwhile, the mechanical characteristics such as tensile strength, elongation and tear resistance are boosted by the non-woven polyester carrier, which acts as a reinforcement to the product.

### Product Features

- Absolute impermeability to water
- Superior dimensional stability due to fibre-glass carrier
- High chemical resistance to alkaline solutions, light acidic solutions and bacteria
- Thermal resistance under a wide range of temperature fluctuation
- Excellent U.V. resistance when surface is finished with slates
- Ease of adhesion to a wide variety of surfaces.

### Applications

The membranes are used for a wide variety of waterproofing requirements and in applications subject to low mechanical stresses, such as:

- base layer in multi-layer waterproofing systems
- damp-proofing and wet areas
- re-roofing pre-existing damaged bitumen waterproofing systems

### Surface Finish

The lower surface of the membrane is laminated with a thin thermo-fusible polyethylene 'burn-off' film.

### Storage

This product should be stored in an upright position in a dry, flat, and ventilated storage area away from direct sunlight.

### Technical Service and Other Products

Specialist advice and information on other compatible products can be found at [www.wonderbuilds.co.uk](http://www.wonderbuilds.co.uk).

## Performance

TEST	UNIT	TOLERANCE	TEST METHOD	RESULTS
Cold Temperature Flexibility	°C	MLV ≤	EN 1109	-15 to -18
Mass per unit area	Kg	MDV ± 5%	EN 1849-1	3
Roll Width	m	MDV ± 1%	EN 1848-1	1
Roll Length	m	MDV ± 1%	EN 1848-1	16
<b>TENSILE STRENGTH (MAX)</b>				
Longitudinal	N/5cm	MDV ± 20%	EN 12311-1	400
Transverse	N/5cm	MDV ± 20%	EN 12311-1	250
<b>ELONGATION @ BREAK</b>				
Longitudinal	%	MDV ± 15	EN 12311-1	2
Transverse	%	MDV ± 15	EN 12311-1	2
<b>Flow Resistance at Elevated Temperature</b>				
Flow Resistance at Elevated Temperature	°C	MDV - 10	EN 1110	100
Dimension Stability	%	-	EN 1107-1	Stable
External Fire Performance	-	-	EN 13501-5	F Roof
Reaction To Fire	-	-	EN 13501-1	F
Water Tightness Method A	10 Kpa	-	EN 1928:2000	PASS
Water Vapour Transmission	μ	-	EN 1931	20 000

## Availability

Product Name	Product Code	Roll Dimensions (m)	Weight(kg/m <sup>2</sup> )
WonderBuilds 3KG A Film Underlay	WB3AFU	1 x 16	3