

## WONDERBUILDS 3KG N SAND UNDERLAY

**WONDERBUILDS 3KG N SAND 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 fibre-glass carrier gives the product its superior dimensional stability and modest mechanical characteristics by acting as reinforcement to the membrane.

### 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
- 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

Upper surface: Sand

Lower surface: 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.

### Further Information

View our full range of products at [www.wonderbuilds.co.uk](http://www.wonderbuilds.co.uk).

You can also contact us at 0208 208 2121, or at [admin@wonderbuilds.co.uk](mailto:admin@wonderbuilds.co.uk).

## Performance

Test	Unit	Tolerance	Test Method	Results
Cold Temperature Flexibility	°C	MLV ≤	EN 1109	-12 to -15
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 ± 15%	EN 12311-1	400
Transverse	N/5cm	MDV ± 15%	EN 12311-1	250
<b>Elongation @ Break</b>				
Longitudinal	%	MDV ≥	EN 12311-1	2
Transverse	%	MDV ≥	EN 12311-1	2
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	60 Kpa	MLV ≤	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 N Sand Underlay	WB3NSU	1 x 16	3