

## WONDERBUILDS 6KG A BLACK CAP SHEET 8M

### Introduction & Product Description

WONDERBUILDS 6KG A BLACK CAP SHEET 8M 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 polyester 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.

### Surface Finish

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

### Product Features

- Excellent U.V. resistance if finished with slated.
- Superior chemical resistance to alkaline solutions, light acidic solutions and bacteria
- Superior thermal resistance under a wide range of temperature fluctuation
- Absolute impermeability to water
- Outstanding performance at high temperature and good at low temperature
- Excellent adhesion to any surface
- Applicable for above and below grades usages

### Application

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

- roofing or re-roofing for single or multi-layer systems
- sloped and flat roofs
- tunnels, wet areas, swimming pools and toilets
- foundations and underground structures
- slab on grade

### Storage

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

### Availability

Product Name	Colour	Product Code	Roll Dimensions (m)	Weight(kg/m <sup>2</sup> )
WONDERBUILDS 6KG A BLACK CAP SHEET 8M	Black	WB6ABM	1 x 8	6

## Performance

Test	Unit	Tolerance	Test method	Results
Cold Temperature Flexibility	°C	MLV ≤	EN 1109	-22 to -25
Mass per unit area	Kg	MDV ± 5%	EN 1849-1	6
Roll Width	m	MDV ± 1%	EN 1848-1	1
Roll Length	m	MDV ± 1%	EN 1848-1	8
Type of Compound	-	-	-	SBS
<b>Tensile strength (max)</b>				
Longitudinal	N/5cm	MDV ± 20%	EN 12311-1	900
Transverse	N/5cm	MDV ± 20%	EN 12311-1	650
<b>Elongation @ break</b>				
Longitudinal	%	MDV ± 15	EN 12311-1	45
Transverse	%	MDV ± 15	EN 12311-1	50
<b>Resistance to Static Loading</b>				
Resistance to Static Loading	kg	MLV ≤	EN 12730	20
<b>Resistance to Impact Loading</b>				
Resistance to Impact Loading	mm	MLV ≤	EN 12691	1250
<b>Flow Resistance at Elevated Temperature</b>				
Flow Resistance at Elevated Temperature	°C	MDV - 10	EN 1110	110
<b>Dimension Stability</b>				
Dimension Stability	%	-	EN 1107-1	± 0.5
<b>External Fire Performance</b>				
External Fire Performance	-	-	EN 13501-5	F Roof
<b>Reaction To Fire</b>				
Reaction To Fire	-	-	EN 13501-1	F
<b>Water Tightness Method A</b>				
Water Tightness Method A	10 Kpa	-	EN 1928:2000	PASS
<b>Water Vapour Transmission</b>				
Water Vapour Transmission	μ	-	EN 1931	20 000
<b>Average Lose of Slated</b>				
Average Lose of Slated	%	MLV ≤	EN 12039	30

## 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).