

## WONDERBUILDS 4KG N BLACK/GREEN MINERAL

### Description

WONDERBUILDS 4KG N BLACK/GREEN MINERAL 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.

### Product Features

- Excellent U.V. resistance
- 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

### Surface Finish

Upper surface: Black or green slates

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.

## Performance

Test	Unit	Test Method	Results	Tolerance
Length	m	EN 1848-1	8	MDV ± 1%
Width	m	EN 1848-1	1	MDV ± 1%
Mass	kg/m <sup>2</sup>	EN 1849-1	4	MDV ± 5%
Cold flexibility	°C	EN 1109	-12 to -15	MLV ≤
Flow resistance	°C	EN 1110	110	MDV - 10
Tensile strength L/T	N/5 cm	EN 12311-1	550 / 400	MDV ± 20%
Elongation at break L/T	%	EN 12311-1	35 / 35	MDV ± 15
Resistance to Static Loading	kg	EN 12730	10	MLV ≤
Resistance to Impact Loading	mm	EN 12691	900	MLV ≤
Dimensional stability	%	EN 1107-1	± 0.5	
External Fire Performance		EN 13501-5	F Roof	
Fire reaction		EN 13501-1	F	
Watertightness Method A	10 kPa	EN 1928:2000	PASS	
Water Vapour Transmissions	μ	EN 1931	20000	
Average Lose of Slated	%	EN 12039	30	MLV ≤

## Availability

Product Name	Product Code	Roll Dimensions (m)	Weight(kg/m <sup>2</sup> )
WONDERBUILDS 4KG N BLACK MINERAL	WB4NBM8	8 x 1	4
WONDERBUILDS 4KG N GREEN MINERAL	WB4NGM8	8 x 1	4

## 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](tel:02082082121), or at [admin@wonderbuilds.co.uk](mailto:admin@wonderbuilds.co.uk)