



SELF-ADHESIVE CAP SHEET

Waterproofing composite self-adhesive membrane

Description

SELF-ADHESIVE CAP SHEET is a Self-Adhesive, SBS 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 composite polyester carrier with a Self-Adhesive SBS elastomeric 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 release film. The membrane is available with a wide range of upper surface finish options including different coloured slates, aluminium foil, sand, and polyethylene film.

Key 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
- Ease of application and Excellent adhesion to any surface
- Applicable for above and below grades usages

Applications

SELF-ADHESIVE CAP SHEET 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 should be protected by protection boards

Storage

SELF-ADHESIVE CAP SHEET should be stored in an upright position in a dry, flat and ventilated storage area away from direct sunlight.

Shelf life 6 months.

Performance

Test	Unit	Tolerance	Test Method	Nominal Values
Cold Temperature Flexibility	o C	MLV ≤	EN 1109	≤ -20
Surface Finish	-	-	-	Granules
Weight	Kg/m ²	MDV ± 5%	EN 1849-1	4.5
Roll Width	m	MDV ± 1%	EN 1848-1	1
Roll Length	m	MDV ± 1%	EN 1848-1	7
TENSILE STRENGTH (MAX)				
Longitudinal	N/5cm	MDV ± 20%	EN 12311-1	500
Transverse	N/5cm	MDV ± 20%	EN 12311-1	350
ELONGATION @ BREAK				
Longitudinal	%	MDV ± 15	EN 12311-1	35
Transverse	%	MDV ± 15	EN 12311-1	35
Shear Resistant of Joints				
Longitudinal	N/5cm	MDV ± 20%	EN 12317-1	400
Transverse	N/5cm	MDV ± 20%	EN 12317-1	300
Peel Resistant of Joints	N/5cm	MDV ± 10%	EN 12316-1	60
Resistance to Static Loading	Kg	MLV ≤	EN 12730	10



Resistance to Impact Loading	mm	MLV ≤	EN 12691	700
Dimension Stability	%	-	EN 1107-1	± 0.3
Flow Resistance at Elevated Temperature	o C	MDV - 10	EN 1110	90
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
Average loss of slates	%	MLV ≤	EN 12039	30

Availability

Product Name	Product Code	Roll Dimensions (m)	Weight(kg/m ²)
SELF ADHESIVE CAP SHEET	WBSACN7	7 x 1	4.5

Further Information

View our full range of products at www.wonderbuilds.co.uk

You can also contact us at [0208 208 2121](tel:02082082121), or at admin@wonderbuilds.co.uk