

Technical Data Sheet Sticker Helast VB 500

Product Description / Use:

Sticker Helast VB 500 is a cold-applied, self-adhesive bituminous vapour control layer which is saturated and coated with high quality SBS (Styrene-Butadiene-Styrene) modified bitumen. It has an integrated aluminium foil layer, a glass fibre reinforcement and is finished on the underside with a removable silicone film.

Sticker Helast VB 500 is designed for use as a high-performance vapour barrier, and is ideal for use on metal profiled decking and in areas prone to increased temperatures and moisture levels (e.g. factories, swimming pools, gyms).

Sticker Helast VB 500 must be used with the appropriate MOY SA Primer. Side and end joints should be thermally activated by use of a suitable hot air gun.

Only suitable for use in temperatures above +5°C.

Whilst its primarily used as an AVCL in warm roofs, it is also suitable for use as a carrier layer within a cold applied liquid waterproofing system, such as the Enkopur 1K PU coating.



Certification:



System Fire Testing:

Classification Standard BS EN 13501-5: 2016
Test Standard: CEN/TS 1187:2012

Determination of external fire performance is a system test which will be influenced by the components within the roofing system.

Whilst Sticker Helast VB 500 may be included in compliant $B_{ROOF(t4)}$ systems, always check with MOY Technical Services for the very latest information on fire testing carried out.



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Technical Specification:

Characteristics	EN Standards	Unit of Measure	Tolerances ⁽¹⁾	Sticker Helast VB 500
Roll dimensions	1848-1	m	≥	50 x 1.08 (-1%)
Thickness	1849-1	mm	±5%	0.5
Mass per unit area	1849-1	kg/m ²	±10%	0.5
Watertightness	1928-B	kPa	≥	60
Cold flexibility	1109	°C	≤	-25
Flow resistance at elevated temperature	1110	°C	≥	90
L/T tensile strength	12311-1	N/5cm	±20%	600/600
Moisture resistance factor	1931	μ	-	2,986,000
Vapour resistance	1931	MN.s/g	-	6,122
Water vapour diffusion - equivalent air layer thickness Sd	1931	m	-	1,231
External fire behaviour	13501-5	EC ⁽²⁾	-	NPD ⁽³⁾
Fire reaction	13501-1	EC ⁽²⁾	-	E

Notes:

- (1) In compliance with the applicable AISPEC-MBP Guidelines.
- (2) Euroclass.
- (3) Determination of external fire performance is a system test which can be influenced by system components, thus performance for each individual product cannot be given.

Delivery form:

Rolls.

Application:

Sticker Helast VB 500 should be installed in accordance with manufacturer recommendations and all relevant local standards and roofing codes of practice.

Roofing contractors should also be fully conversant with the guidelines set out in the NFRC (National Federation of Roofing Contractors) 'Safe2Torch' campaign. If hot air guns are used during application, operatives should be competent, conversant and capable of using such items in a safe and responsible manner. Care must also be taken when using hot air guns in close proximity to combustible materials, decorative coatings and heat sensitive materials.

In order to install the Sticker Helast VB 500 membrane correctly, ensure that the surface is dry, free of oil, fat and dust and other impurities. The membrane should be unrolled, aligned and set into position alongside other rolls and profiled decking. Once aligned, one end of the silicone film should be peeled back. The product should then be unrolled on to the previously primed deck whilst simultaneously peeling away the silicone film to the underside.

The use of MOY Primer SA is required to maximise adhesion.

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Storage:

Rolls must be stored in their original package, in vertical position and under cool and dry conditions between temperatures of +5 °C and +35 °C. They must be protected from direct sunlight, rain, snow and ice.

Shelf life:

They can be stored for up to 12 months in cool, dry conditions.

Safety:

Safety precautions to be taken when using this product are given in the Safety Data Sheet.

Disposal:

Information for this product is given in the Safety Data Sheet.