



TECHNOELAST VB 500 SELF

Self-Adhesive Vapour Control Layer with Aluminium Foil

Introduction

TECHNOELAST VB 500 SELF 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 topside with a removable siliconised film.

Product Description

TECHNOELAST VB 500 SELF 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).

Product Features

- Flame free, self-adhesive application
- Tough, mechanically resistant membrane
- Simple, fast installation
- Low temperature flexibility at -25°C
- Aluminium lined

Application

TECHNOELAST VB 500 SELF should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.

Roofing contractors should also be fully conversant with the guidelines set out in the National Federation of Roofing Contractors (NFRC) '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 **TECHNOELAST VB 500 SELF** 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 siliconised film should be peeled back. The edge of the **TECHNOELAST VB 500 SELF** membrane can then be pressed to the profiled decking substrate. The product should then be unrolled on to the deck whilst simultaneously pulling off the siliconised film.

Chemical Resistance

TECHNOELAST VB 500 SELF is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

Storage

Store in a cool and dry place. Protect from direct sunlight. The product should be installed within 3 months of delivery, otherwise the surface must be primed with a suitable primer (please contact TechnoNICOL for further details).

Health and Safety

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from TechnoNICOL Technical Service Department.

Availability

| Product Name | Product Code | Roll Dimensions (m) | Weight (kg/m²) |
|-------------------------|--------------|---------------------|----------------|
| TECHNOELAST VB 500 SELF | TN531623 | 50 x 1.08 | 0.5 |

Performance and Key Properties

| Properties | Test Method | | Declared Performance |
|--|----------------|--------|--|
| Length | DIN EN 1848-1 | m | ≥ 50.00 |
| Width | DIN EN 1848-1 | m | ≥ 1.08 |
| Mass per unit area | DIN EN 1849-1 | kg/m² | 0.50 |
| Thickness | DIN EN 1849-1 | mm | 0.50 |
| Tensile properties: maximum tensile force | DIN EN 12311-1 | N/50mm | ≥ 600/600 (± 20%) |
| Flow resistance at elevated temperatures | DIN EN 12311-1 | ° C | ≥ + 90 |
| Flexibility at low temperatures | DIN EN 1109 | ° C | ≤ - 25 |
| Water vapour permeability properties | - | Sd, m | > 1500 |
| Reaction to fire | DIN EN 11925-2 | - | Class E according to DIN EN 13501-1 |

Quality Assurance

TECHNOELAST VB 500 SELF is manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.

Technical Service and Other Products

Specialist advice and information on other compatible products can be found at www.tnroofingsystems.com