

StrataBase SealFlex

Self-adhesive bituminous underlay membrane

Product overview

StrataBase SealFlex is a self-adhesive, glass-fibre reinforced, SBS elastomeric modified bituminous underlay membrane. The upper surface is finished with sand whilst the lower surface is provided with a peel-off film. The under surface and side lap are self-adhesive. The width of the side lap is 7cm.

Typical use

StrataBase SealFlex is suitable for use as a base or underlayer in bituminous and cold applied liquid warm flat roof waterproofing systems. It can also be used as an air and vapour control layer (AVCL) to help control the movement of air, water vapour and heat leakage from within the building.

Features & benefits

- Can be used as an underlay or an AVCL membrane
- Ideal for use with both BUFR and liquid systems
- Cold applied, self-adhesive application
- Part of multi-layer waterproofing system

Substrate preparation

In order to achieve a sufficient bond, the substrate should be dry, free of oil, fat and dust and other impurities. On surfaces other than insulation, the substrate should be impregnated with StrataPrime Bit SA Primer. This should be allowed to dry before application of the membrane commences.

Application guidelines

StrataBase SealFlex 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.

The product is self-adhesive, with partial torched overlaps (side lap partial self-adhesive and partial torched; end lap torched). In order to obtain a good adhesion, the membrane must be installed at a temperature above +10°C. If installation takes place at lower temperatures, the capsheet is to be welded directly after the base layer has been installed. The full bond strength is achieved after the application of an additional thermal activation (e.g. welding of subsequent capsheet layer).

Prior to installation, the rolls need to be stored for at least 12 hours at a temperature above +10°C. Installation of StrataBase bituminous rolls is to be carried out by competent, professional installers only. Installers should ensure all relevant legal and HSE requirements are complied with including the wearing of appropriate PPE, safe access, site securement, and hot works permits.

Storage

StrataBase rolls should be stored upright, standing on end within the original packing materials. Rolls should be stored in a cool, dry place away from UV rays, heat, sparks, open flames, hot surfaces and moisture. When stored correctly, the products have an unlimited shelf life.

Health and safety

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

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. A material safety datasheet is available for this product upon request.

Rolls of products weighing more than 25kg should be handled either with mechanical handling equipment or with manual gripping tools with a load of no more than 25kg per person. Always use suitable safe manual handling techniques.

Environmental considerations

StrataBase bituminous membranes are classed as BIW / Banal Industrial Waste, non-hazardous waste, non-inert waste.

At the end of a product's life, bitumen products can be disposed of with household waste and may be discharged to landfill or incinerated, subject to local regulations.

The substance or mixture of waste itself and any contaminated packaging waste must be disposed of in conformance with the current local regulations at the time of disposal. Recycling and reuse of torch or adhered membranes is not possible.

Composition

Properties	Result
Reinforcement	Glass-fibre
Finish upper side	Sand
Finish lower side	Silicone release film
Coating mass	Self-adhesive, SBS modified bitumen

Technical characteristics

Properties	Result
Membrane thickness (EN1849-1)	2.0 mm \pm 10 %
Weight (EN1849-1)	2.7 kg/m ²
Mass per roll	\pm 43 kg
Dimensions (EN1848-1)	\geq 16m x 1m
Watertightness (EN 1928)	Pass @ 10 kPa
Tensile strength (EN 12311-1): Longitudinal Transversal	250 N/50mm \pm 20 % 150 N/50mm \pm 20 %
Elongation at maximum tensile strength (EN 12311-1): Longitudinal Transversal	3 % \pm 1 3 % \pm 1
Flow resist. at elevated temp (EN 1110)	\geq 100 °C
Flexibility at low temp. (EN 1109)	\leq -16 °C
Dangerous substances	No asbestos or tar constituents

Further information

The information contained in this datasheet, along with any advice provided (either written or verbal) through testing are based on our experience and do not constitute any product guarantee for the installer.

We recommend that all of the information provided is carefully studied before proceeding with application, and strongly advise that suitable tests are carried out on site before application in order to determine the suitability and compatibility for the specific project.

The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. As a result, the installer will be solely responsible for any damage derived from the partial or complete disregard of our guidance or the general mis-use of any of our materials.