

StrataShield SA BIT VB

Self-adhesive, SBS modified vapour control layer / underlay / carrier membrane

Product overview

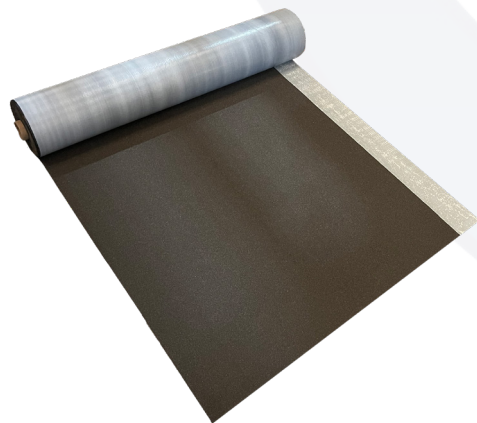
StrataShield SA BIT VB is a polyester reinforced roofing base layer, saturated and coated with high quality SBS (Styrene-Butadiene-Styrene) modified bitumen. The membrane is protected with fine grained sand on its upper layer, whilst the bottom layer features a self-adhesive compound coating, covered with removable film.

Typical use

StrataShield SA BIT VB is designed for use as a vapour control layer or base layer in built-up roofing systems. It can be specified for both new build and refurbishment projects and is ideal for use on buildings where fire safety does not allow the use of torch-on membranes. StrataShield SA BIT VB is compatible with all common substrates and should be used as part of a multi-layer built-up roofing system.

Features & benefits

- Cold-applied, self-adhesive application
- Ideal for flame-free installations
- Easy-peel removable film
- Tough polyester reinforcement, providing additional dimensional stability and mechanical strength
- Good resistance to foot marking
- Excellent low temperature flexibility at -15°C
- Versatile roofing membrane - compatible with a range of substrates and built-up roofing systems
- Manufactured in accordance with EN 13707 + A2:2009 European Standards and testing methods.



Substrate preparation

In order to achieve a good bond, the substrate should be dry, free of oil, fat and dust and other impurities. Before applying the StrataShield SA BIT VB membrane ensure that the substrate surface is primed using StrataPrime SA. The primer should be allowed to dry before application of the membrane commences.

Application guidelines

The StrataShield SA BIT VB membrane should be laid out in the required direction of work. Please note that on sloping roofs, the self-adhesive membrane should be laid out from the bottom, perpendicular to the slope direction.

To install the StrataShield SA BIT VB membrane, the silicone release foil on the lower surface should be peeled off as work proceeds so that the self-adhesive compound on the membrane underside can be firmly bonded to the substrate. During application, ensure that there is a 15 cm overlap margin on all short side overlaps of 1 meter, and there should be a 10 cm overlap for all long side overlaps. At all times, we recommend that this product is installed in accordance with the NFRC's Safe2Torch guidelines.

At installation temperatures below 10°C the laps should be pre-heated using a hot air welding gun.

Chemical resistance

StrataShield SA BIT VB is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Please note that aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the structure of the product and should therefore be avoided.

Storage

Rolls must be vertically stored in roofed-over spaces. If the rolls have to be stored outdoors for a long period of time, then they must be covered with a protective layer in order to protect them against the sunlight. If the rolls are to be stowed without pallets, they are not stacked one on top of another. Shelf-life is one year from the production date in case it is stored in its sealed and undamaged package in dry ambient conditions at a temperature from +5°C to +25°C away from direct sunlight.

Health and safety

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

Technical characteristics

Properties (test method)	Declared Performance
Length	15m
Width	1m
Weight per roll	27kg
Weight per m ²	1.8 kg/m ² (±0.2)
Reinforcement	120gsm polyester
Tensile strength (EN 12311-1)	500N/50mm (min)
Elongation (EN 12311-1)	45% (±20%)
Nail tear resistance (EN 12310-1)	≥100N
Flow resistance at elevated temperatures (EN 1110)	≥+85°C
Flexibility at low temperatures (DIN EN 1109)	-15°C (min)
Watertightness (EN 1928)	Pass Class W1
Adhesion (polyurethane foam)	1.4 MPa
Water vapour transmission properties (EN 1931)	40,000 μ (min)
Reaction to fire (EN 13501-1:2002)	Class E

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 onsite 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.