PRODUCT DATA SHEET

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StrataVap AluCore

Torch-applied, metal-lined bituminous air & vapour control layer (AVCL)

Product overview

StrataVap AluCore is torch-applied, glass-fibre/aluminium reinforced bituminous air and vapour control layer. The upper surface is finished with sand and the lower surface is finished with a thermofusible film.

Typical use

StrataVap AluCore is typically used as part of a multi-layer waterproofing system to control the movement of air, water vapour and heat leakage from within the building. It can also be used as base or underlayer as part of a multi-layer waterproofing system.

The choice of AVCL will depend on the degree of air and vapour pressure produced, the specified roof deck/slab and the need for a robust temporary waterproofing layer.

StrataVap AluCore is particularly well-suited to humid and high humidity conditions and is typically used on metal decks as a high performance vapour control layer.

Features & benefits

- Ideal for buildings with high moisture content
- Particularly suited for application onto metal decks
- Rapid, torch-on application
- Reinforced with aluminium/glass-fibre composite

Substrate preparation

In order to achieve a sufficient bond, the substrate should be dry, free of oil, fat and dust and other impurities.

Application guidelines

StrataVap TorchFlex 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 should be applied by torch-on or hot-air method including the overlaps. It can also be loose-laid in a system with heavy surface protection, in which case overlaps are sealed by torch-on or hot-air method.

Installation of StrataVap 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

StrataVap 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

StrataVap 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/aluminium composite
Finish upper side	Sand
Finish lower side	Thermofusible film
Coating mass	Elastomer modified bitumen

Technical characteristics

Properties	Result
Membrane thickness (EN1849-1)	2.5mm ± 8.0 %
Weight (EN1849-1)	3.25 kg/m²
Mass per roll	± 26 kg
Dimensions (EN1848-1)	≥ 8m x 1m
Water vapour transmission properties (EN 1931)	≥ 1000 Sd(m)
Watertightness (EN 1928)	Pass (<2 kPa)
Tensile strength (EN 12311-1): Longitudinal Transversal	 500 N/50mm ± 40 % 350 N/50mm ± 40 %
Elongation at maximum tensile strength (EN 12311-1): Longitudinal Transversal	 15 % ± 10 40 % ± 10
Resistance to tearing (EN 12310-1): Longitudinal Transversal	 150 N ± 20 % 150 N ± 20 %
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.

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