

StrataShield BT Tape

Butyl tape for use on upstands or roof cracks

Product overview

StrataShield BT Tape is an adhesive butyl rubber tape, applicable without heat. It is composed of a butyl viscoelastic layer coated with a non-woven fabric. This fabric allows a transversal deformation while allowing only a limited longitudinal deformation. The adhesion side is protected by an easy to peel protective film.

StrataShield BT Tape is ideal for use on upstands and roof cracks and is suitable for joints between wet surfaces. The non-woven support allows the butyl material to adapt to the substrate shape, enabling the subsequent application of liquid waterproofing or self-levelling products.

Features & benefits

- Simple to apply & versatile in use
- Adapts to contours of substrate surface
- Excellent mechanical properties

Substrate requirements

The substrate must be clean and dry, free from dust, loose particles, oils, organic residues and laitance. Always check the chemical and adhesive compatibility with the substrate before use, along with the intended application temperature, which should be between 0°C and 45°C.

Application guidelines

On porous or non-cohesive substrates, it is advisable primer the surface with StrataShield Porosity Sealer prior to the StrataShield BT Tape. A small quantity of diluted StrataShield PU resin is also useful, but any prior coating must be allowed to cure and dry completely before applying StrataShield BT Tape.

Peel the protective film, place the tape on the substrate, avoiding any air blisters. Press evenly with gentle pushing to ensure total adhesion. If the tape has to continue from a pre-positioned section, overlap by approximately 5 cm. The product may be painted or coated, but the coating must be compatible with the butyl rubber of StrataShield BT Tape. NB: some solvents may damage the butyl material – consult with Strata Technical Services for more details.

Environmental considerations

Any leftover StrataShield BT Tape should be considered as inert waste, and disposed of responsibly in accordance with local applicable law.

Technical characteristics

Properties	Unit / Description
Dimensions (L x w)	20m x 15cm (4 rolls per box)
Thickness	0.8mm
Colour	Grey
Elongation at break	70% (long / trans)
Tensile strength	> 100 N (long / trans)
Peel resistance (ASTM D 1000)	>80 N
Permanent adhesion strength (ASTM D 6195)	>70 N
Vertical dripping (ISO 7390)	<10 mm
Concrete adhesion (EN 12004-1348)	0.9 N/mm ²
Non-volatile content	100%
Density	1.45-1.55 g/cm ³
Use temperature	-40°C to 100°C
Storage	Store in a cool, dry place, protected from direct sunlight, at a temperature between 10°C and 30°C
Use before	Up to 12 months after date of manufacture (in original sealed packaging)

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.