

Technical Datasheet

VAPOR TAPE

Waterproof and Airtight Tape for Lapping



PRODUCT DESCRIPTION

VAPOR TAPE is a high-performance airtight lap tape specially developed for sealing indoor lap joints. featuring superior adhesive strength and easy workability. This tape is composed of special paper substrate, solvent-free acrylic pressure-sensitive adhesive and double siliconized release liner, guaranteeing stable and reliable sealing performance over long service life. Its exclusive material composite delivers outstanding adhesion, long-term durability and splash water resistance, suitable for permanent reliable sealing of indoor lap joints in building airtightness systems.

Benefiting from the adhesive's unique bonding strength, as well as the substrate's outstanding toughness and hand-tearable property, the tape enables rapid, long-lasting and dependable airtight sealing for lap joints of vapour control layers and flat seams between OSB panels.

PRODUCT APPLICATIONS

VAPOR TAPE waterproof and airtight tape is suitable for lap joints of vapor control layers and flat seams between OSB panels. While forming secure sealed connections, it provides multi-layer protection featuring airtighting, water resistance and vapour blocking performance, and can also be applied for repairing minor damage areas.



Use VAPOR TAPE to seal overlap ping joints of vapour control layers.



Use VAPOR TAPE adhesive tape to seal flat seams between OSB panels.

PRODUCT ADVANTAGES

- Prevent water vapor penetration and energy loss.
- Cost-effective, hand-tearable, time-saving and easy to apply.
- The pressure-sensitive adhesive features outstanding ageing resistance, resistance to water whitening, superior adhesion and low-temperature applicability, enabling sound compatibility and durable bonding with all common construction substrates.
- The substrate with excellent toughness can slightly slide on the adhesive layer to buffer and absorb structural deformation.
- German GEV issued EC1 environmental certification.
- Certified to ISO 9001, ISO 14001 and ISO 45001.

TECHNICAL DATA

I. Typical Values

No.	Properties	Test Method	Typical Values
1	Total thickness (Paper+adhesive), mm	EN 1849-2	0.35
2	Grammage (Paper+adhesive), g/m ²	EN 1849-2	318
3	Grammage (Adhesive), g/m ²	EN 1849-2	200
4	Sd value, m	ASTM E96 (Method B)	6
5	180° peel strength of mirror steel plate, N/m	ISO 29862	1400
6	Loop Tack, N/25mm	ASTM D6195	40

II. Other Technical Description

1	Material	Paper-based acrylic composite tape
2	Colour	Yellowish-brown
3	Compatibility with others	Suitable for common construction materials including various waterproof membranes, rigid plastics, metals, smooth solid wood and engineered wood panels.
4	Ageing resistance	High and lasting adhesive strength. It contains no raw rubber, resin or solvent, and has the properties of anti-drying and anti-embrittlement. It can reliably absorb structural movements for a long time.
5	Water whitening resistance	In contact with water or in a humid environment, the adhesive film can effectively resist the penetration of water molecules, maintain a transparent and uniform state for a long time, and show no obvious whitening or swelling phenomena.
6	Temperature resistance	-40 °C ~ +90 °C
7	Application temperature	Above -10 °C
8	Storage temperature	0 °C ~ +30 °C
9	Storage life	The debris can be treated as general household waste without special treatment.
10	Safety and health tips	Though according to the relevant industry regulations, it is not a dangerous substance, it is not recommended to directly stick it to any part of the body besides the fingers.

PREPARATION AND PROCESSING

Prior to formal construction, it is advised to perform preliminary verification tests to confirm the product complies with specific application conditions. The construction procedures below take sealing of overlapped sections of interior-side vapour control layers as an example for reference purposes only.

Prior to adhesive sealing, ensure the surfaces of bonded membranes are dry, dust-free, grease-free and free of any adhesive-repellent contaminants; the membranes shall be laid flat and secured without tension or wrinkles. During application, remove the release liner first, apply the tape onto overlapped membrane joints free of tension, shear or peel stress, and roll firmly with a rubber roller to achieve airtight sealing at membrane overlaps.

DIMENSIONS AND PACKAGING

The following are standard specifications. Customization of product width and length is available to meet client requirements. For further information, please consult our team.

Product Name	Width	Length / Roll	Rolls / Carton
VAPOR TAPE	60 mm	25 m	10
	100 mm	25 m	6
	150 mm	25 m	4

The information provided in this document corresponds to the information and technical details available to the best of our knowledge. However, this does not constitute a guarantee pursuant to laws and regulations of the areas where the products are used. Our processing instructions are to be considered only as general guidelines and may differ in the individual case due to the range of possible uses and applications. They do not therefore automatically exempt the user from carrying out their own tests. We reserve the right to make technical modifications and enhancements at any time.