

Vantell AeroSeal EX High-Perm Exterior Acrylic Tape

Vantell AeroSeal EX High-Perm Exterior Acrylic Tape is a single-sided, vapour-permeable exterior sealing tape designed for WRB laps, sheathing joints, window and door flashing connections, and weather-resistant building envelope applications.

The tape combines a PP non-woven backing with a high-performance acrylic adhesive, providing strong adhesion to common building substrates while allowing vapour diffusion through the assembly. It is suitable for exterior airtightness, weathertightness and moisture-management applications where a vapour-open sealing solution is required.

Typical Applications: WRB laps, sheathing joints, exterior seams, window and door flashing connections, and vapour-open building envelope sealing.



Model	Specification (Width x Length), m
VEXAT-HP-SS05030	0.05 x 30
VEXAT-HP-SS07530	0.075 x 30
VEXAT-HP-SS10030	0.10 x 30

Technical Specifications

Test Item	Standard / Method	Substrate	Test Result
Material	-	-	Acrylic
Backing / Carrier	-	-	PP non-woven fabric
Release Liner	-	-	Silicone-coated paper
Vapour Permeability	-	-	Vapour permeable
Water Vapor Resistance / Sd Value	-	-	0.6-1.0 m
Temperature Resistance	-	-	-40°C to +90°C
Application Temperature	-	-	From -20°C
UV Exposure	-	-	Up to 180 days
Color	-	-	White
Storage	-	-	Cool and dry
180° Peel Adhesion	ASTM D3330	Non-woven fabric	1.0 N/mm
180° Peel Adhesion	ASTM D3330	Board	1.2 N/mm
180° Peel Adhesion	ASTM D3330	Aluminum plate	1.2 N/mm
180° Peel Adhesion	ASTM D3330	Cement board	1.1 N/mm

Key Features

- Single-sided exterior acrylic sealing tape
- Vapour-permeable / high-perm construction
- Designed for WRB laps, sheathing joints and exterior envelope connections
- Suitable for window and door flashing transitions
- PP non-woven backing for flexible and conformable application
- Strong adhesion to non-woven fabric, board, aluminum plate and cement board
- Low-temperature application from -20°C
- Temperature resistance from -40°C to +90°C
- UV exposure resistance up to 180 days

Typical Applications

- Sealing overlaps of vapour-permeable WRB / housewrap
- Sealing sheathing board joints
- Exterior window and door flashing connections
- Air and weather sealing around penetrations and transitions
- Vapour-open building envelope systems

Product Structure

- Backing / Carrier: PP non-woven fabric
- Adhesive: High-performance acrylic adhesive
- Release Liner: Silicone-coated paper

For best long-term performance, the tape should be applied to clean, dry and stable substrates. Final suitability should be confirmed according to the project substrate, climate conditions and installation requirements.