SHANGHAI VANTELL INDUSTRY DEVELOPMENT CO., LTD.

Product Data Sheet

High-Performance Building Envelope Sealing Tapes

Window & Door Opening Sealing System

VWFAXW Series - Window Sealing Tape

High-performance sealing tape specifically engineered for the exterior perimeter of doors and windows within the building envelope. It provides robust waterproofing and airtightness, effectively preventing moisture intrusion and air leakage around rough openings.

Its excellent conformability makes it perfect for sealing complex gaps, ensuring a continuous and durable weather barrier against harsh environmental conditions.

Typical Application Styles: North American Window flashing

Model	Specification (Width x Length), m	Package (Roll/Ctn)
VWFAXW-10023	0.10 x 23	6
VWFAXW-15023	0.15 x 23	4
VWFAXW-22523	0.225 x 23	3
VWFAXW-30023	0.30 x 23	2

Technical Specifications

Test Item	Standard / Method	Condition / Requirement	Test Result
Material	-	-	Butyl self-adhering flashing tape
Nominal Thickness	AAMA 711 / ASTM D3759	Mechanical measurement	0.55 mm
Breaking Strength	AAMA 711 / ASTM D3759	Minimum requirement: 1.00 kN/m	2.75 kN/m; Pass
Elongation at Break	AAMA 711 / ASTM D3759	Report value	520%
Water Penetration Around Fasteners	AAMA 711, Section 5.2	OSB substrate; low-temperature conditioning	No water leakage observed; Pass
Water Penetration Around Fasteners After Thermal Cycling	AAMA 711, Section 5.2	10 cycles from 50°C to -40°C	No water leakage observed; Pass
90° Peel Adhesion to OSB	AAMA 711 / ASTM D3330 Method F	23°C and 50% RH; minimum requirement: 0.26 N/mm	0.60 N/mm; Pass
90° Peel Adhesion to Anodized Aluminum	AAMA 711 / ASTM D3330 Method F	23°C and 50% RH; minimum requirement: 0.26 N/mm	2.05 N/mm; Pass
90° Peel Adhesion to Vinyl	AAMA 711 / ASTM D3330 Method F	23°C and 50% RH; minimum requirement: 0.26 N/mm	1.20 N/mm; Pass
90° Peel Adhesion to Exterior Gypsum	AAMA 711 / ASTM D3330 Method F	23°C and 50% RH; minimum requirement: 0.26 N/mm	1.05 N/mm; Pass
90° Peel Adhesion to Plywood	AAMA 711 / ASTM D3330 Method F	23°C and 50% RH; minimum requirement: 0.26 N/mm	1.00 N/mm; Pass
90° Peel Adhesion to Itself	AAMA 711 / ASTM D3330 Method F	23°C and 50% RH; minimum requirement: 0.26 N/mm	1.85 N/mm; Pass
Peel Adhesion After UV Exposure	AAMA 711 / ASTM G154 / ASTM D3330 Method F	336 hours accelerated UV exposure; minimum requirement: 0.26 N/mm	2.00 N/mm; no visible tape change; Pass
Peel Adhesion After Elevated Temperature Exposure	AAMA 711 / ASTM D3330 Method F	50°C, 65°C, and 80°C exposure; minimum requirement: 0.26 N/mm	50°C: 1.85 N/mm; 65°C: 1.75 N/mm; 80°C: 1.80 N/mm; Pass
Peel Adhesion After Thermal Cycling	AAMA 711 / ASTM D3330 Method F	10 cycles from 50°C to -40°C; minimum requirement: 0.26 N/mm	2.05 N/mm; no visible tape change; Pass
Cold Temperature Pliability	AAMA 711 / ASTM C765	-18°C	No cracking or loss of adhesion; Pass
Peel Adhesion After Water Immersion	AAMA 711 / ASTM D3330 Method F	7 days water immersion; minimum requirement: 0.26 N/mm	1.70 N/mm; no visible change; Pass
Peeling Resistance	AAMA 711, Section 5.9 and Annex A	50°C, 65°C, and 80°C exposure	No peeling, buckling, rippling, edge curl, or corner curl observed
AAMA 711 Classification	AAMA 711	Self-adhering flashing, Type A product	Meets Level 1, Level 2, and Level 3 performance requirements

VWFHYP Series - Butyl Vapor Permeable Tape (External)

Premium self-adhesive vapor permeable tape designed for exterior applications on ultra-low energy building envelopes. Applied to the outside of windows and doors, it acts as an effective weather-resistive barrier that blocks liquid water ingress while simultaneously allowing trapped moisture vapor to escape from the wall cavity.

This intelligent moisture management promotes a dry, healthy, and highly durable structural assembly.

Typical Application Styles: European low-energy window installation

Model	Specification (Width x Length), m	Package (Roll/Ctn)
VWFHYP-10023	0.10 x 23	6
VWFHYP-12023	0.12 x 23	5
VWFHYP-15023	0.15 x 23	4
VWFHYP-20023	0.20 x 23	3

Technical Specifications

Test Item	Standard / Method	Condition / Requirement	Test Result
Material	-	-	Butyl
Thickness	GB/T 328.5-2007 (Ref. ASTM D3652)	Mechanical measurement, (23±2)°C	0.73 mm
Basis Weight	GB/T 328.5-2007	-	481 g/m²
Tensile Strength	GB 23441-2009 (Ref. EN 12311-2)	(23±2)°C, 100 mm/min	MD: 280 N/50 mm; CD: 246 N/50 mm
Elongation at Maximum Tensile Force	GB 23441-2009 (Ref. EN 12311-2)	(23±2)°C, 100 mm/min	MD: 61%; CD: 72%
180° Peel Adhesion	JC/T 942-2004	Housewrap, (23±2)°C, 100 mm/min	0.85 N/mm
180° Peel Adhesion	JC/T 942-2004	OSB / Board, (23±2)°C, 50 mm/min	0.82 N/mm
180° Peel Adhesion	JC/T 942-2004	Aluminum plate, (23±2)°C, 50 mm/min	0.82 N/mm
180° Peel Adhesion	JC/T 942-2004	Cement board, (23±2)°C, 50 mm/min	0.80 N/mm
Water Vapor Resistance / Sd Value	GB/T 17146-2015 (Ref. EN 1931)	Test C	Sd ≤ 0.13 m
Water Resistance	GB/T 328.10-2007	1000 mm water column, 2 h	No leakage
Plaster Surface Adhesion	GB/T 35467-2017	(23±2)°C, 100 mm/min	0.90 N/mm

VWFAYP Series - Butyl Vapor Barrier Tape (Internal)

Advanced self-adhesive vapor barrier tape tailored for the interior side of high-performance and super-low energy buildings. It provides a high vapor-resistance layer on the interior side, helping prevent indoor moisture vapor from diffusing into the wall cavity.

By ensuring maximum airtightness around window and door frames, it significantly reduces thermal bridging and energy loss, maintaining strict internal climate control.

Typical Application Styles: European low-energy window installation

Model	Specification (Width x Length), m	Package (Roll/Ctn)
VWFAYP-10023	0.10 x 23	6
VWFAYP-12023	0.12 x 23	5
VWFAYP-15023	0.15 x 23	4
VWFAYP-20023	0.20 x 23	3

Technical Specifications

Test Item	Standard / Method	Condition / Requirement	Test Result
Material	-	-	Butyl
Thickness	GB/T 328.5-2007 (Ref. ASTM D3652)	Mechanical measurement, (23±2)°C	0.69 mm
Basis Weight	GB/T 328.5-2007	-	558 g/m²
Tensile Strength	GB 23441-2009 (Ref. EN 12311-2)	(23±2)°C, 100 mm/min	MD: 296 N/50 mm; CD: 235 N/50 mm
Elongation at Maximum Tensile Force	GB 23441-2009 (Ref. EN 12311-2)	(23±2)°C, 100 mm/min	MD: 59%; CD: 82%
180° Peel Adhesion	JC/T 942-2004	Housewrap, (23±2)°C, 100 mm/min	0.85 N/mm
180° Peel Adhesion	JC/T 942-2004	OSB / Board, (23±2)°C, 50 mm/min	0.80 N/mm
180° Peel Adhesion	JC/T 942-2004	Aluminum plate, (23±2)°C, 50 mm/min	0.90 N/mm
180° Peel Adhesion	JC/T 942-2004	Cement board, (23±2)°C, 50 mm/min	0.86 N/mm
Water Vapor Resistance / Sd Value	GB/T 17146-2015 (Ref. EN 1931)	Test C	Sd ≥ 272 m
Water Resistance	GB/T 328.10-2007	1000 mm water column, 2 h	No leakage
Plaster Surface Adhesion	GB/T 35467-2017	(23±2)°C, 100 mm/min	0.70 N/mm

VWFAIB Series - Acrylic Vapor Barrier Tape

VWFAIB Series Acrylic Vapor Barrier Tape is a high-strength acrylic sealing tape designed for the interior side of window and door openings in low-energy and highly airtight building envelopes. It provides a high vapor-resistance layer to help limit indoor moisture vapor transmission into the wall assembly.

As an internal vapor barrier sealing tape, VWFAIB helps protect insulation layers and structural components from condensation-related damage. It supports airtight detailing around window and door frames and is suitable for European low-energy window installation methods where the interior side requires reliable vapor control and air sealing.

Typical Application Style: European low-energy window installation. Customized split release liners and an optional narrow reverse-side adhesive strip for frame pre-fixing are available.

Model	Specification (Width x Length), m	Package (Roll/Ctn)
VWFAIB-10023	0.10 × 23	6
VWFAIB-12023	0.12 × 23	5
VWFAIB-15023	0.15 × 23	4
VWFAIB-20023	0.20 × 23	3

Technical Specifications

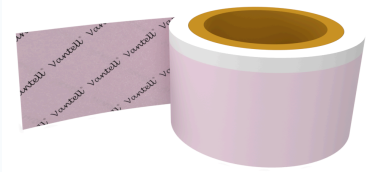
Test Item	Standard / Method	Condition / Requirement	Test Result
Material	-	-	Acrylic
Basis Weight	-	-	≥ 250 g/m²
Thickness	GB/T 328.5 (Ref. ASTM D3652)	-	≥ 0.5 mm
Tensile Strength	GB 23441 (Ref. EN 12311-2)	-	MD: ≥ 500 N/50 mm; CD: ≥ 80 N/50 mm
180° Peel Adhesion to Aluminum Plate	GB/T 2792-2014	Room temperature / 80°C / -40°C	≥ 0.4 / ≥ 0.4 / ≥ 0.4 N/mm
180° Peel Adhesion to OSB Board	GB/T 2792-2014	Room temperature / 80°C / -40°C	≥ 0.4 / ≥ 0.4 / ≥ 0.4 N/mm
180° Peel Adhesion to MgO Board	GB/T 2792-2014	Room temperature / 80°C / -40°C	≥ 0.4 / ≥ 0.4 / ≥ 0.4 N/mm
Water Resistance	GB/T 328.10	100 cm hydrostatic head, 2 h	No leakage
Water Vapor Resistance / Sd Value	GB/T 17146 (Ref. EN 1931)	-	Sd ≥ 18 m
Application Temperature	-	-	≥ -20°C
Service Temperature	-	-	-30°C to +80°C

VWFAHP Series - Acrylic Breathable Tape

VWFAHP Series Acrylic Breathable Tape is an exterior airtight sealing tape designed for window and door openings in low-energy and high-performance building envelopes. It helps seal structural gaps and joints while allowing essential outward vapor diffusion from the wall assembly.

As an external breathable sealing tape, VWFAHP helps maintain airtightness and weather protection without trapping interstitial moisture. It is suitable for European low-energy window installation methods where the exterior side needs to be water-resistant, vapor-open, and durable. Customized configurations are available, including split release liners for easier installation and an optional narrow reverse-side adhesive strip for temporary frame pre-fixing.

Typical Application Style: European low-energy window installation. Customized split release liners and an optional narrow reverse-side adhesive strip for frame pre-fixing are available.



Model	Specification (Width x Length), m	Package (Roll/Ctn)
VWFAHP-10023	0.10 × 23	6
VWFAHP-12023	0.12 × 23	5
VWFAHP-15023	0.15 × 23	4
VWFAHP-20023	0.20 × 23	3

Technical Specifications

Test Item	Standard / Method	Condition / Requirement	Test Result
Material	-	-	Acrylic
Basis Weight	-	-	≥ 200 g/m²
Thickness	GB/T 328.5 (Ref. ASTM D3652)	-	≥ 0.5 mm
Tensile Strength	GB 23441 (Ref. EN 12311-2)	-	MD: ≥ 450 N/50 mm; CD: ≥ 130 N/50 mm
Elongation at Break	GB 23441 (Ref. EN 12311-2)	-	MD: ≥ 20%; CD: ≥ 80%
180° Peel Adhesion to Aluminum Plate	GB/T 2792-2014	Room temperature / 80°C / -40°C	≥ 0.4 / ≥ 0.4 / ≥ 0.4 N/mm
180° Peel Adhesion to OSB Board	GB/T 2792-2014	Room temperature / 80°C / -40°C	≥ 0.4 / ≥ 0.4 / ≥ 0.4 N/mm
180° Peel Adhesion to MgO Board	GB/T 2792-2014	Room temperature / 80°C / -40°C	≥ 0.4 / ≥ 0.4 / ≥ 0.4 N/mm
Water Resistance	GB/T 328.10	100 cm hydrostatic head, 2 h	No leakage
Water Vapor Resistance / Sd Value	GB/T 17146 (Ref. EN 1931)	-	Sd ≤ 0.25 m
UV and Outdoor Exposure	-	Product should be covered after installation	Up to 3 months
Application Temperature	-	-	≥ -20°C
Service Temperature	-	-	-30°C to +80°C

VEXAT-HP Series - High-Perm Acrylic Tape

VEXAT-HP Series is a single-sided, vapour-permeable exterior acrylic 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.

WRB & Membrane Seam Sealing System

VSST Series - Acrylic Single-Sided Sealing Tape

Versatile acrylic single-sided tape dedicated to sealing seams and overlapping joints of various building membranes. It ensures continuous airtightness and water-resistance across the building envelope, providing strong, long-lasting adhesion to housewraps, breathable membranes, and vapor barriers to eliminate drafts and leaks.

Model	Specification (Width x Length), m	Package (Roll/Ctn)
VSST-5020	0.05 x 20	12

Technical Specifications

Test Item	Standard / Method	Substrate	Test Result
Material	-	-	Acrylic
180° Peel Adhesion	ASTM D3330	Non-woven fabric	0.8 N/mm
180° Peel Adhesion	ASTM D3330	Board	0.9 N/mm
180° Peel Adhesion	ASTM D3330	Aluminum plate	0.9 N/mm
180° Peel Adhesion	ASTM D3330	Cement board	0.8 N/mm

VDST Series - Acrylic Double-Sided Sealing Tape

Specialized double-sided acrylic tape designed for securing and sealing overlapping layers of waterproof and vapor-permeable membranes. It creates an invisible, secure bond between membrane layers, preventing wind-washing and moisture penetration in critical envelope lap joints without compromising the exterior surface.

Model	Specification (Width x Length), m	Package (Roll/Ctn)
VDST-5020	0.05 x 20	12

Technical Specifications

Test Item	Standard / Method	Substrate	Test Result
Material	-	-	Acrylic
180° Peel Adhesion	ASTM D3330	Non-woven fabric	0.8 N/mm
180° Peel Adhesion	ASTM D3330	Board	0.9 N/mm
180° Peel Adhesion	ASTM D3330	Aluminum plate	0.9 N/mm
180° Peel Adhesion	ASTM D3330	Cement board	0.8 N/mm

VBT Series - Waterproof Butyl Tape

Heavy-duty waterproof butyl tape built for universal flashing and sealing applications. Its superior conformability and exceptional adhesion make it ideal for sealing complex geometries, roof penetrations, wall joints, and terraces.

It delivers immediate and permanent watertight protection across various demanding outdoor scenarios.

Model	Specification (Width x Length), m	Package (Roll/Ctn)
VBT-10023	0.10 x 23	6
VBT-15023	0.15 x 23	4
VBT-22523	0.225 x 23	3
VBT-30023	0.30 x 23	2

Technical Specifications

Test Item	Standard / Method	Substrate / Condition	Test Result
Material	-	-	Butyl
Tack Retention	JC/T 942-2004	Requirement: ≥ 20 min	No slipping or detachment
Heat Resistance	JC/T 942-2004	80°C, 2 h	No bleeding, no cracking, no deformation
Low Temperature Flexibility	JC/T 942-2004	-40°C	No cracks
180° Peel Adhesion	JC/T 942-2004	Waterproof membrane; requirement: ≥ 0.4 N/mm	0.73 N/mm
180° Peel Adhesion	JC/T 942-2004	Cement mortar board; requirement: ≥ 0.6 N/mm	1.30 N/mm
180° Peel Adhesion	JC/T 942-2004	Pre-painted steel plate	1.60 N/mm
Peel Adhesion after Heat Aging	JC/T 942-2004	Waterproof membrane; 80°C, 168 h	1.45 N/mm
Peel Adhesion after Heat Aging	JC/T 942-2004	Cement mortar board; 80°C, 168 h	1.04 N/mm
Peel Adhesion after Heat Aging	JC/T 942-2004	Pre-painted steel plate; 80°C, 168 h	0.92 N/mm
Water Immersion Adhesion	JC/T 942-2004	Waterproof membrane; water immersion, 168 h	1.99 N/mm
Water Immersion Adhesion	JC/T 942-2004	Pre-painted steel plate; water immersion, 168 h	1.38 N/mm

VDSBT Series - Double-Sided Butyl Tape

Premium double-sided butyl sealant tape used to create robust, watertight, and airtight bonds between diverse building materials.

Highly effective for integrating interior vapor barrier films to walls and ceilings, as well as sealing lap joints in challenging environmental conditions requiring a strong, dual-sided gasket effect.

Model	Specification (Width x Length), m	Package (Roll/Ctn)
VDSBT-5023	0.05 x 23	12
VDSBT-10023	0.10 x 23	6

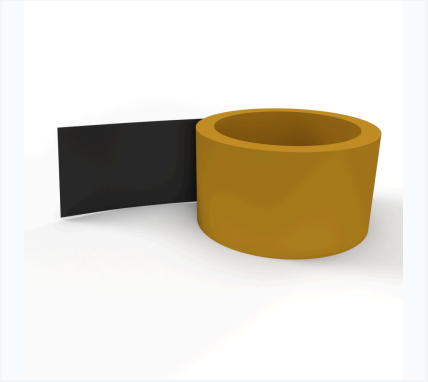
Technical Specifications

Test Item	Standard / Method	Substrate / Condition	Test Result
Material	-	-	Butyl
Heat Resistance	JC/T 942-2004	80°C, 2 h	No bleeding, no cracking, no deformation
Low Temperature Flexibility	JC/T 942-2004	-40°C	No cracks
180° Peel Adhesion	JC/T 942-2004	Waterproof membrane; requirement: ≥ 0.4 N/mm	0.73 N/mm
180° Peel Adhesion	JC/T 942-2004	Cement mortar board; requirement: ≥ 0.6 N/mm	1.30 N/mm
180° Peel Adhesion	JC/T 942-2004	Pre-painted steel plate	1.60 N/mm
Peel Adhesion after Heat Aging	JC/T 942-2004	Waterproof membrane; 80°C, 168 h	1.45 N/mm
Peel Adhesion after Heat Aging	JC/T 942-2004	Cement mortar board; 80°C, 168 h	1.04 N/mm
Peel Adhesion after Heat Aging	JC/T 942-2004	Pre-painted steel plate; 80°C, 168 h	0.92 N/mm
Water Immersion Adhesion	JC/T 942-2004	Waterproof membrane; water immersion, 168 h	1.99 N/mm
Water Immersion Adhesion	JC/T 942-2004	Pre-painted steel plate; water immersion, 168 h	1.38 N/mm

VDT Series - Vantell Deck Tape / Roof Deck Tape

Durable butyl deck and roof deck sealing tape designed for protecting deck joists, roof deck seams, sheathing joints, and critical flashing details from water intrusion.

It provides strong adhesion to common building boards and metal substrates, helping improve long-term durability in outdoor deck and roofing applications.



Model	Specification (Width x Length), m	Package (Roll/Ctn)
VDT-5015	0.05 x 15	24
VDT-5020	0.05 x 20	12
VDT-10015	0.10 x 15	12
VDT-10020	0.10 x 20	6

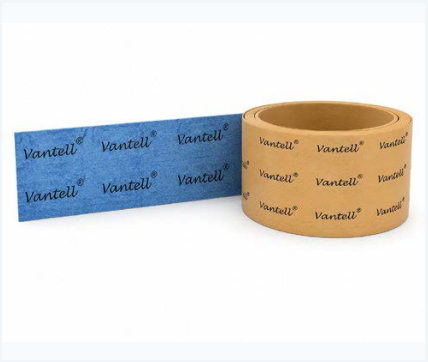
Technical Specifications

Test Item	Standard / Method	Substrate / Condition	Test Result
Material	-	-	Butyl
Basis Weight	-	-	687 g/m²
Thickness	-	-	0.56 mm
180° Peel Adhesion	GB/T 2792-2014	Aluminum board; room temperature (28°C), 24 h	1.351 N/mm
180° Peel Adhesion	GB/T 2792-2014	Aluminum board; 80°C for 24 h, then test at room temperature	1.24 N/mm
180° Peel Adhesion	GB/T 2792-2014	Aluminum board; -40°C for 24 h, then test at room temperature	1.304 N/mm
180° Peel Adhesion	GB/T 2792-2014	OSB board; room temperature (28°C), 24 h	1.174 N/mm
180° Peel Adhesion	GB/T 2792-2014	OSB board; 80°C for 24 h, then test at room temperature	1.122 N/mm
180° Peel Adhesion	GB/T 2792-2014	OSB board; -40°C for 24 h, then test at room temperature	1.111 N/mm
180° Peel Adhesion	GB/T 2792-2014	MgO board; room temperature (28°C), 24 h	1.293 N/mm
180° Peel Adhesion	GB/T 2792-2014	MgO board; 80°C for 24 h, then test at room temperature	1.249 N/mm
180° Peel Adhesion	GB/T 2792-2014	MgO board; -40°C for 24 h, then test at room temperature	1.271 N/mm

VCJT Series - Concrete Structure Joint Butyl Tape

Self-adhesive butyl sealing tape designed for concrete structure joints, precast panel joints, slab-to-wall transitions, and other critical waterproofing details.

It forms a conformable sealing layer on concrete and related building substrates, helping reduce water intrusion at joints and transitions.



Model	Specification (Width x Length), m	Package (Roll/Ctn)
VCJT-10020	0.10 x 20	6
VCJT-15020	0.15 x 20	4
VCJT-20020	0.20 x 20	3

General Product Information	
Item	**Description**
Material	Butyl
Product Type	Self-adhesive waterproof concrete joint sealing tape
Primary Applications	Concrete structure joints; precast panel joints; slab-to-wall transitions; waterproofing and flashing details
Typical Substrates	Concrete, cementitious board, masonry, metal, and compatible waterproof membranes
Surface Requirement	Substrate should be clean, dry, firm, and free of dust, oil, and loose particles
Installation Note	For porous or dusty concrete surfaces, primer or project-specific adhesion verification is recommended

VFSP Series - Fastener Sealing Patch

Die-cut self-adhesive butyl sealing patch designed to seal fastener holes, screw penetrations, nail holes, and small localized punctures in building envelope assemblies.

It provides a quick, localized waterproof and airtight repair layer for membranes, sheathing, roofing details, and related substrates.

Model	Specification	Package
VFSP-50	Ø 50 mm round patch	Custom
VFSP-75	Ø 75 mm round patch	Custom
VFSP-100	Ø 100 mm round patch	Custom

General Product Information	
Item	**Description**
Material	Butyl
Product Type	Die-cut self-adhesive fastener sealing patch
Primary Applications	Sealing fastener holes, nail holes, screw penetrations, and small punctures in waterproofing or air barrier details
Typical Substrates	WRB, housewrap, roofing underlayment, waterproof membranes, OSB, plywood, MgO board, cement board, and metal
Surface Requirement	Substrate should be clean, dry, firm, and free of dust, oil, and loose particles
Installation Note	Press firmly around the full patch area; project-specific adhesion verification is recommended before large-scale use

SHANGHAI VANTELL INDUSTRY DEVELOPMENT CO., LTD.

Product Data Sheet

High-Performance Building Envelope Sealing Tapes

Window & Door Opening Sealing System

VFAST Series Stretchable Sill & Corner Flashing Tape

Smooth, highly conformable flashing tape for window sill pans, corners, curved openings and complex building-envelope penetrations.

Its highly elastic waterproof carrier and high-performance butyl adhesive form a continuous waterproof, vapor-resistant and airtight seal around critical opening details.

Available Widths	Release Liner	Color
100 mm, 150 mm and 200 mm	Custom split configurations available	Black

Technical Specifications

Test Item	Test Method / Condition	Result
Product Type	-	Stretchable sill and corner flashing tape
Carrier Structure	-	Highly elastic waterproof film
Adhesive Type	-	High-performance butyl adhesive
Surface Structure	-	Smooth, continuous and non-creped
Color	-	Black
Release Liner Configuration	-	Custom split configurations available upon request
Water Vapor Resistance (Sd Value)	ASTM E96; calculated from measured vapor permeance	> 200 m
Water Vapor Permeance	ASTM E96	< 0.03 US perms
Additional Technical Values	Applicable product testing	To be published after completion of testing

Key Applications

- Window sill pans, end dams and upturned corners
- Inside, outside, curved and arched window-opening corners
- Door thresholds and complex flashing transitions

Key Benefits

- Conforms around three-dimensional corners and irregular details
- Helps reduce cutting, folding and overlapping at window corners
- Creates a continuous waterproof and vapor-resistant flashing layer

Installation Focus

- Apply only to stable, clean, dry and frost-free substrates
- Form gradually; avoid concentrating excessive stretch in one area
- Press firmly with a hand roller; eliminate trapped air and unbonded edges

Additional applications include pipe and duct penetrations, irregular membrane-to-component connections, and localized waterproof and vapor-tight detail sealing. Custom split release liner configurations are available upon request. Source: Vantell product page, accessed 2026-08-17.