

TESCON VANA



Multi-purpose airsealing tape with waterproof solid acrylic adhesive for interior and exterior use

Declare.

BENEFITS

TESCON VANA air sealing tape is a long-lasting, robust solutions to permanently airtight taped bonding of air barriers. It may be used with an array of materials such as Pro Clima smart vapor retarders (INTELLO, DB+), airbarriers, Polyethelene, metal, aluminum foil, Pro Clima WRBs, housewraps, sheathing, and ZIP-system. Seal joints airtight between wood based panels (such as OSB and plywood), as well as concrete foundations. TESCO VANA is vapor open, highly durable, waterproof, and adaptable to a variety of high performance construction needs, available in 2.4" to 7.9" widths.

PRODUCT PROPERTIES

- Vapor permeable, Perm 8 (Sd value:0.4m) for enhanced outward drying potential
- Durable waterproof tape adhesion (solid acrylic adhesive)
- UV/weather resistant – 6 months of exposure
- International Living Future Institute product
- Very high adhesive strength
- Polypropylene backing forms itself to slightly uneven substrates
- Solvent-free, no VOCs
- Rugged fabric backing – for durable airseals
- No loss of adhesion in high humidity construction environments (during concrete/plaster work)
- For air-tight sealing according DIN 4108-7
- Tested and approved by Sentinel-Haus® Institute to meet their stringent standards for healthy buildings with superb indoor air quality.
- In combination with TESCO Primers, adheres to soft/porous wood insulation panels, concrete, sheetrock, rough OSB and brick

**100 YEARS
ADHESION**

	Width	Length
TESCON VANA	2.38" - 60 mm	98' 5" (30 m)
TESCON VANA 75	2.95" - 75 mm	98' 5" (30 m)
TESCON VANA 100	3.94" - 100 mm (split release paper)	98' 5" (30 m)
TESCON VANA 150	5.9" - 150 mm (split release paper)	98' 5" (30 m)
TESCON VANA 200	7.9" - 200 mm	98' 5" (30 m)

TECHNICAL SPECS	
Backing	Special PP fleece
Adhesive	Waterproof SOLID acrylic
Release film	Siliconized paper
Color	Dark blue
Perm rating (DIN EN 1931)	8 (Sd value 0.4m)
Application temp	From 15 °F (-10 °C)
Long term temperature resistance	-40 °F to +194 °F, -40 °C to +90 °C
Maximum recommended Weather-UV exposure:	6 months
Artificial age tested	100 year performance
Adhesion (ASTM D3330)	OSB: 3.34 lbs/linear inch/ INTELLO: 4.45 lbs/linear inch
Airtightness (ASTM E2357)	<0.008 cfm/ft² at 75 Pa
	<0.05 L/sm² at 75 Pa
Storage	Cool and dry
NBC 2015 - 5.4.1 Air Barrier Systems	Passed air leakage <0.02 L/(s·m²) @75 Pa (ASTM E2357)

APPLICATION

Follow the TESCO VANA application guide found on foursevenfive.com.

To make a durable bond the substrate should be stable, dry, smooth and free of dust, silicones and grease. Taped joints shouldn't be permanently exposed to tensile forces/stresses. Adhesion to objects that have been frozen over is not possible.

The best adhesion results and protection of the structure is achieved by using high-quality substrates. You are responsible for checking the suitability of the substrate, when in doubt an adhesion tests is recommended.

To connect to rough/uneven substrates CONTEGA HF or CONTEGA Line adhesives are recommended.

SUBSTRATES

Interior: Airtight tape for airsealing overlaps of Pro Clima membranes (INTELLO, DB+, INTESANA, etc), PE and other vapor retarders/airtight layers as well as bonding airtight materials (OSB, Plywood, metals and plastics).

Exterior: Adhesive tape for wind and waterproof connections of Pro Clima membranes overlaps (SOLITEX MENTO, FRONTA QUATTRO/HUMIDA, DA and INTESANA) or other WRB and roof underlayments.

Bonding and adhesion is possible on planed and painted wood, high density plastic or metal (e.g. pipes, windows etc.), and hardboard (chipboard, OSB and veneers). Prep wood fiber insulation boards and other unstable substrates (concrete, brick, Foamglas and splintering/oily OSB) with TESCO Primer RP before taping them.

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GENERAL CONDITIONS

The bonds should not be subjected to tensile strain. After sealing the airtight/vapor retarding membranes, the weight of the insulating material must be borne by mechanically fastened battens. The tape adhesion should be supported by battens if necessary or by additional pieces of perpendicular tape.

PSA (Pressure sensitive tapes): The final adhesion strength depends on the pressurization force, not the length of time the tape is pressurized. Adhesive has high initial strength and sets completely within 24hrs. Make sure there is sufficient back-pressure when pressurizing tape. For best airtight/waterproof results avoid creases in membranes/tapes and use PRESSFIX tool for optimal pressurization.

Avoid excessive humidity in structure by ventilation or using a dehumidifier during construction.

