



## Vario® Bond

### High Performance Airtight Plasterable Junction Tape For Windows, Doors and Timber to Block Connections

Properties	Sign	Unit	Performance characteristics	Norms
Adhesive			Acrylic adhesive	-
Carrier material			Combination of PES-non-woven and modified PA-foil	-
Temperature resistance		°C	- 40 to + 80	-
Processing temperature		°C	+ 5 to + 40	-
Maximum tensile strength		N/50mm	MD 200 CD 140	EN 12311-2
Elongation at maximum tensile strength		%	MD 110 CD 160	EN 12311-2
Diffusion equivalent air layer thickness of foil	$s_d$	m	$0.4 \leq s_d \leq 20$ (humidity variable) <sup>1)</sup>	EN ISO 12572
Diffusion equivalent air layer thickness of foil with glue	$s_d$	m	$1 \leq s_d \leq 23$ (humidity variable) <sup>1)</sup>	EN ISO 12572
Airtightness			$a_n \leq 0.1$	EN 1026
Driving rain resistance		Pa	> 1050	EN 1027
Watertightness of foil			Type B	EN 13984
Resistance to water penetration of foil			W1	EN 13859
UV resistance			1 month (< 55 MJ/m <sup>2</sup> ) – immediate coverage recommended, especially in times of high UV-load (summer) <sup>2)</sup>	
Shelf life			12 months, dry, room temperature, original packaging	
Ecologically beneficial	Free of solvents, isocyanates, PVC, heavy metals and halogens			
Suitable substrates	Vario® Membranes, Timber, PVC, Concrete Block, Metal and Concrete Lintels, PVC Cavity Closer			
Application	An airtight plasterable tape for block and masonry applications to create an airtight bonding to windows, doors, etc.			
Instructions for use	See Installation Guide			
EMICODE® EC1 PLUS	 <p>ISOVER products with the seal EMICODE® EC1 PLUS are more than ten times lower in emission as required by EU. This way after 28 days TVOC-Values of at most 60 µg/m<sup>3</sup> (instead of the EU-critical value 1,000 µg/m<sup>3</sup>) are achieved. Even after initial testing the products are tested repeatedly and on a random basis by independent laboratories regarding VOC, carcinogenic materials and solvents. The EMICODE-Seal on ISOVER Vario® products is a sign of high sustainable environmental quality, healthy indoor air and very low emissions.</p>			
A+ (VOC-Decree)	 <p>* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).        (Information about the degree of emission of volatile substances in indoor air that depict a toxic risk during inhalation, on a scale of A+ (very low emission) to C (high emission).)</p>			

<sup>1)</sup> The variable  $s_d$ -Value of the ISOVER Vario® KM, Vario® KM Duplex UV, Vario® KM Supraplex and Vario® XtraSafe can only be registered by a dynamic calculation program. The water vapour diffusion resistance in dependence of the average relative air humidity is deposited in the relevant simulation software (e.g. WUFI® from Fraunhofer Institut für Bauphysik IBP).

<sup>2)</sup> The energy which has to be endured by the tapes in the UV-test is 55 MJ/m<sup>2</sup>. Transferred to the average global radiation in Central Europe this corresponds to 3 months UV exposure/resistance. As the UV-load can be higher depending on the season, the resistance might be shorter. We always recommend to immediately cover the tapes and due to changes in the UV-load over the year the immediate coverage is even more crucial in the summer time.

Delivery forms				
Unit	Measure per Unit	Width of Unit	Measure per Pallet	Units per Pallet
Roll	25 m	100 mm	7200 m	48
Roll	25 m	150 mm	4800 m	48

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