PASSIVE **HOUSE** SYSTEMS

An Internal/External Window Joint Tape

The Winflex® Optima Vario tape can be used for internal and external sealing, in both cases blocking air and moisture from penetrating the joint. Winflex® Optima Vario has a special structure allowing it to stretch in the transverse direction for optimal absorption of structural movement. This directional flexibility guarantees durable sealing of joints.

This innovative product allows the window joint to dry out from the inside or outside, depending on weather conditions, this is due to the membrane's water vapour diffusion characteristics allow it to adapt to the physical properties of the building structure, thus assisting optimal drying of the joints.

The underside of the self-adhesive tape is full-surface coated with the BOSIG High Tack adhesive, which is an extremely aggressive adhesive. This allows application even at low temperatures. The split cover foil on this self-adhesive layer allows particularly easy and time saving application.

Optima 85/15 Split Tape

Application Area

Optima Vario Can be applied to: membranes, steel, timber, concrete and Masonry. The bonding surfaces must be smooth, dry, free of oil, grease and dust, firm and stable. The jambs and reveals have to be smoothed out according to Din 4108, part 7 for installation of Winflex Optima. Especially in low temperatures, it must be ensured that all bonding surfaces are free of any frost and ice. Application surface may require priming Such as Primer 6300e. g. for solidification of sandy surfaces.

Application at 0 to – 10 °C will reduce initial adhesion, although application is possible at such temperatures, high final strength will need longer time of contact.

Advantages

- A single tape for internal and external joint sealing – no danger of confusion and reducing stock items.
- Numerous width variants for any installation situation.
- Optimal drying of the window joint.
- Structural movements are absorbed thanks to transverse stretchability / flexibility.
- Durable sealing ensured.
- Can be painted and/or plastered over.
- No fluid adhesive systems to soil the window surfaces.

Technical Data

Base Material	High-grade polymer membrane, coated on both sides with fibrous web.	
Temperature resistance	- 40 °C to + 80 °C	
Processing temperature recommended	+ 5 °C to + 35 °C, possible from – 10°C	
UV resistance	3 months max.	
sd value	0.1 to 6.6 m, depending on humidity	DIN EN ISO 12572
Fire behaviour	Fire Classification E, normally inflammable	DIN EN 13501 – 1
Width	Various (from 50mm to 200mm possible)	
Length of roll	40 m	
Max. tensile force	length- approx. 600 N / 50 mm - Width -approx. 100 / 50 mm	DIN EN 12 311 – 2 / A
Elongation	length -approx. 30 % - Width -approx. 150 %	DIN EN 12 311 – 2 / A
Air tightness	a < 0.1 m^3 / (m·h·(daPa2/3)),	DIN 18542
Tightness for driving rain	Up to 600 Pa	DIN 18542
Water pressure resistance	> 200 cm water column	DIN EN 20

UK Passive House Systems Ltd
Epping, Essex, CM16 6TH
Tel:08454591500
Website www.passivehousesystems.co.uk

Passive House Systems Ireland
5B4 Link Road, Ballincollig, Cork P31 PR52
Tel: (00353) 021 4289407
Website www.passivehousesystems.ie