



TEKAFOLIJA IN/OUT

PRODUCT DESCRIPTION

TEKAFOLIJA OUT - sealing membrane made from EPDM ensuring excellent and compact sealing during mounting of various elements on facades.

TEKAFOLIJA IN - sealing membrane made from butyl rubber offering excellent blockade for gases, air and water and is as such an ideal material for internal sealing.

PROPERTIES

- Unlimited resistance to weather conditions
- Extraordinary physical and chemical properties
- **TEKAFOLIJA OUT** is vapour permeable
- **TEKAFOLIJA IN** is vapour impermeable
- Both membranes are thermally insulative
- They maintain their form even under water pressure
- Ease of use
- Membranes are not water absorbent

APPLICATION

- **TEKAFOLIJA OUT** on the outside - **TEKAFOLIJA IN** on the inside
- Due to wide range of thicknesses and widths it is appropriate especially for mounting of external and balcony doors and panoramic windows
- Due to various mounting techniques they can be used on any kind of surface



TEKAFOLIJA IN/OUT

TECHNICAL DATA

	TEKAFOLIJA OUT			TEKAFOLIJA IN		
	Vapour permeable membrane to be used on the outside			Vapour permeable membrane to be used on the inside		
Thickness	0.8 mm	1.0 mm	1.5 mm	0.8 mm	1.0 mm	1.5 mm
Thickness tolerance	±0.1 mm			±0.1 mm		
Vapour permeability Sd	4.7 m	5.9 m	8.8 m	221 m	276 m	414 m
Water impermeability	μ = cca 5882			μ = cca 276000		
Max. Tensile strength	> 8 MPa	> 9 MPa		> 8 MPa		
Max. Elongation at break	> 300%	> 400%		> 300%		
Shore A	60 ± 10			60 ± 10		
Elasticity at 300% elongation	≥ 6.0 MPa					
Length of the tape on the role	20 m			20 m		
Water absorption 168h at 70°C	≤ 2.5 vol.%			≤ 1 vol.%		
Bending test at T = -50°C	No cracks			No cracks		
Resistance to UV light	Good			Good		
Flammability	Building materials B2 Flammability E			Building materials B2 Flammability E		
Changes in case of accelerated ageing 168h at 115°C						
Change in thickness	Max ± 10%			Max. ± 10%		
Change in tensile strength	< 10%			< 10%		
Change in elongation	< 30%			< 35%		
Change in dimensions	Max. ± 0.5%			Max. ± 0.5%		

APPLICATION

The inner sealing should offer better vapour impermeability than the outer sealing. Consequently, TEKAFOLIJA OUT should be used on the outside and TEKAFOLIJA IN on the inside. In order to avoid the formation of thermal bridges the joint should be well insulated with mineral wool or similar material.

TEKAFOLIJA IN/OUT can be mounted to the surface with Tekaflex MS 15, Tekaflex hybrid 40 or TEKATRAK BUTYL-TAPE DS, width of 2cm.

It is recommended to verify that the surface is compatible with the adhesive used. The surface must be clean, dry and free of grease. When temperatures range from + 5°C to + 40°C, a little damp on the surface can be tolerated. However, at lower temperatures any presence of water should be avoided as there is a risk of frost formation on the surface.

PROCEDURE

The temperature of building materials should be above - 5°C. Hardening time for Tekaflex MS 15 or Tekaflex hybrid 40 is much longer at temperature below + 5°C and also depends very much on the humidity level.

Especially with porous surfaces we recommend the use of KVZ 16 primer.

Tekaflex MS 15 or Tekaflex hybrid 40 are appropriate to mount TEKAFOLIJA IN/OUT onto bituminous membranes. The latter should be properly mounted, dry, stable, clean and free of grease and dust.

TEKAFOLIJA IN/OUT should overlap the bituminous membrane for at least 10cm and should be attached to the surface symmetrically. At both ends they should also be attached to the surface with aluminium batten. Apply Tekaflex MS 15 or Tekaflex hybrid 40 onto the surface as an indefinite line with 8mm in diameter and spread it evenly using a spatula. 4-5cm wide and 1mm thick application shall suffice on the building side while 3cm wide and 1mm thick application is enough on the mounting element side. Press TEKAFOLIJA IN/OUT onto a freshly applied layer of Tekaflex MS 15 or Tekaflex hybrid 40 using a roller if possible. The layer should be at least 1mm thick and free of air bubbles.

Using TBT DS the surface must be firm, free of grease and dust.

STORAGE

Unlimited, when the product is stored in the original packaging at room temperature in a dry place.

SAFETY PRECAUTIONS

Not applicable.

WARNING

Instructions are given on the basis of examinations and technical experience of the firm. However, due to specific conditions and work methods, preliminary tests are advised for every type of use.