



## TECHNONICOL ALPHA VENT

Three-layer diffusion membrane with longitudinal self-adhesive overlap strip

### Product description

TECHNONICOL ALPHA VENT is a diffusion membrane made of a functional microporous waterproofing layer reinforced with non-woven polypropylene fabric from both sides. The membrane is resistant to molds and bacteria.

The marking lines on the top side of the material make installation easier, especially in the zones of overlapping. Anti-glare matt surface ensures roofing work safety. The membrane has longitudinal self-adhesive overlap strip for increased convenience and speed of application.



### Area of application

TECHNONICOL ALPHA VENT diffusion membrane is intended for the protection of the thermal insulation layer of pitched roofs and ventilated facade systems from harmful impacts of water, wind and dust. Due to the high vapor permeability, the membrane contributes to the removal of excess moisture from building structures though increasing its service life without repair and cutting down energy costs.

### Performance of works

The material is installed directly on the thermal insulation layer. Application temperature range is from -40°C to +80°C. More details on installation are given in the relevant manuals for pitched roofs with shingles by TECHNOCOL (nailing method).

### Storage and transportation

Rolls of the material should be stored indoors in a dry place in their original packaging and taken to the construction site ready to use. Falls or other mechanical impacts should be avoided during transportation and storage. Shelf life if all storage requirements are met: 24 months from the date of production.

### Main characteristics

Properties	VENT 180	VENT 150	VENT 130	VENT 110	VENT 95
Surface density, g/m <sup>2</sup>	180±5%	150±5%	130±5%	110±5%	95±5%
Tensile strength L / T, N/50mm	≥ 280 / ≥ 190	≥ 220 / ≥ 160	≥ 200 / ≥ 130	190±50 / 100±30	160±25 / 90±25
Vapor permeability, g/m <sup>2</sup> ×24 h	≥ 1600	≥ 1600	≥ 1600	≥ 1400	≥ 1400
Vapor permeability, Sd coefficient, m	≈ 0.020	≈ 0.020	≈ 0.020	≈ 0.015	≈ 0.015
Watertightness at 60 kPa for 24 hours	Class W1	Class W1	Class W1	Class W1	Class W1
UV resistance, months	≥ 3	≥ 3	≥ 3	≥ 2	≥ 2
Length, m	50±5%	50±5%	50±5%	50±5%	50±5%
Width, m	1.5±1%	1.5±1%	1.5±1%	1.5±1%	1.5±1%