



TECHNONICOL ALPHA TOP

Professional non-woven diffusion membrane with adsorption feature

Product description

TECHNONICOL ALPHA TOP diffusion membrane is a two-layer material consisting of the non-woven polyester base and a vapor-permeable thermoplastic polyurethane coating. The membrane is resistant to molds and bacteria.

A special feature of this membrane is its ability to adsorb and retain moisture during periods of high humidity and to remove accumulated moisture in the dry season. Therefore, it is suitable for use in regions with large differences in humidity.



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. Thanks to its high strength, the membrane can withstand additional mechanical loads and the weight of a roofer.

Area of application

TECHNONICOL ALPHA TOP 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 TECHNONICOL (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	Performance
Surface density, g/m ²	190±5%
Tensile strength L / T, N/50mm	≥350 / ≥200
Vapor permeability, Sd coefficient, m	≈0.150
Watertightness at 60 kPa for 24 hours	Class W1
UV resistance, months	≥6
Length, m	50±5%
Width, m	1.5±1%