



## TECHNONICOL ALPHA BARRIER 3.0

Three-layer translucent reinforced vapor barrier film

### Product description

TECHNONICOL ALPHA BARRIER 3.0 is a three-layer translucent reinforced polyethylene film with a non-woven underlayer.

Thanks to its translucent structure, the film allows timely detection and correction of thermal insulation defects and provides visual quality control of performed works and conditions of utilities. The marking lines on the top side of the material make installation easier, especially in the zones of overlapping.



Mesh reinforcement and increased surface density ensure the high strength of the film, enabling it to withstand loads of thermal insulation and shrinkage of structural elements. In addition, the material demonstrates outstanding elasticity even under temperatures below zero.

### Area of application

TECHNONICOL ALPHA BARRIER 3.0 film is used to create vapor barrier on pitched roofs and walls of frame houses. Can be applied in buildings with dry and normal interior humidity conditions.

### Performance of works

The material is installed at the inner side of 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 <sup>2</sup>	100±5%
Tensile strength L / T, N/50mm	≥ 300 / ≥ 300
Vapor permeability, Sd coefficient, m	20
Watertightness at 60 kPa for 24 hours	Class W1
UV resistance, months	≥ 2
Length, m	50±5%
Width, m	1.5±1%