



dated 03/2020

TECHNONICOL ALPHA Barrier 3.0 Vapor Barrier Film

Multilayer reinforced translucent vapor barrier film


Product description:

TECHNONICOL ALFA Barrier 3.0 is a three-layer reinforced film with limited vapor permeability. Due to the translucent structure, it allows timely identification and elimination of insulation defects and visual control of the installation quality.

Application area:

It is used for the device of a vapor barrier layer in insulated pitched roofs, ceilings and walls of a frame structure with normal humidity conditions of internal premises

Basic physical and mechanical characteristics:

EN 13984:2013		
Characteristic	Standart	Tolerance
Length, m	EN 1848-2	50,00±1%
Width, m	EN 1848-2	1,5(-0,5%/+1%)
Mass per unit area, g/m ²	EN 1849-2	100±5%
Thickness, mm	EN 1849-2	≥0,14
Straightness	EN 1848-2	Pass 75 mm/10m
Maximum tensile force, MD, N/50mm	EN 12311-2	≥300
Elongation, MD, %	EN 12311-2	≥10
Nail tearing, MD, N	EN 12310-1	≥150
Maximum tensile force, CD, N/50mm	EN 12311-2	≥300
Elongation, CD, %	EN 12311-2	≥10
Nail tearing, CD, N	EN 12310-1	≥150
Resistance to alkali, MD/CD, N/50 mm	EN 1847 (liquid 2) and EN 12311-2	≥150/150
Water vapour transmission, Sd, m	EN 1931	≥20
Resistance to water penetration	EN 1928:2000 method A	Pass
Resistance to impact	EN 12691 method B	1500
Reaction to fire	EN 13501-1	Class F

Performance of works:

TechnoNIKOL Alfa Barrier 3.0 film is mounted on the inside of the insulation boards. The overlaps of the canvases must be at least 10 cm and must be tightly glued together with double-sided or single-sided connecting adhesive



tape. The places of abutment to mating surfaces and passage elements are also carefully sealed. The final fastening is done with slats / beams installed across the rafters.

Application temperature range from -40°C to + 80°C

Storage:

Storage should be carried out in closed dry rooms, excluding direct sunlight, at a distance of at least 1 m from heating devices at an ambient temperature not exceeding +30 °C.

Transportation:

Products are transported by all types of transport in covered vehicles in accordance with the rules for the carriage of goods in force for this type of transport.

Package Details:

Rolls of TECHNOMICOL ALFA membranes are delivered individually packed and contain a label indicating the TECHNOMICOL ALFA brand (for example, TECHNOMICOL ALFA BARRIER 3.0), company name, address and telephone number. Inside the tube there is a label with information about the batch and production time of the material.