



dated 03/2020

**Film TECHNOMICOL ALFA BARRIER 2.0**

Two-layer film with non-woven polypropylene backing and polyolefin coating


**Product description:**

TECHNOMICOL ALFA Barrier 2.0 is a two-layer vapor barrier film with limited vapor permeability. Prevents the penetration of vaporous moisture into the insulation and the supporting structure from inside the room.

**Application area:**

It is used for the device of a vapor barrier layer in insulated roofs, ceilings, walls of frame structures in houses of non-permanent residence (summer cottages, cottages), as well as in houses of permanent year-round residence, but in rooms with dry and normal humidity conditions. The film is used in combination with superdiffusion membranes - TECHNOMICOL ALFA TOP, TECHNOMICOL ALFA VENT 130, 150.

**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 <sup>2</sup>	EN 1849-2	80±5%
Thickness, mm	EN 1849-2	≥0,15
Straightness	EN 1848-2	Pass 75 mm/10m
Maximum tensile force, MD, N/50mm	EN 12311-2	≥140
Elongation, MD, %	EN 12311-2	≥140
Nail tearing, MD, N	EN 12310-1	≥70
Maximum tensile force, CD, N/50mm	EN 12311-2	≥110
Elongation, CD, %	EN 12311-2	≥160
Nail tearing, CD, N	EN 12310-1	≥100
Resistance to alkali, MD/CD, N/50 mm	EN 1847 (liquid 2) and EN 12311-2	≥70/50
Water vapour transmission, Sd, m	EN 1931	≥2.0
Resistance to water penetration	EN 1928:2000 method A	Pass
Resistance to impact	EN 12691 method B	1000
Reaction to fire	EN 13501-1	Class F

**Performance of works:**

TechnoNIKOL Alfa Barrier 2.0 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 2.0), company name, address and telephone number. Inside the tube there is a label with information about the batch and production time of the material.