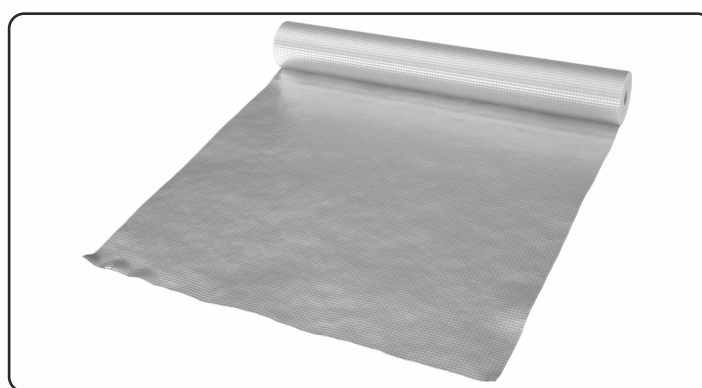


## BILKA ALU 90 FOIL

CHARACTERISTICS		TEST METHOD	DECLARED VALUE
Dimensions	width	EN 1848-2	1,5m ± 0,5%
	length of the roll		50m (-0/+2%)
	thickness	EN 1849-2	0,20 mm (-0,01;+0,01)
Mass per unit (g/m <sup>2</sup> )		EN 1849-2	90 ± 10%
Reaction to fire		EN ISO 11925-2	E Class
Watertightness (2kPa)		EN 1928	Pass
Watertightness after artificial ageing		EN 1296 EN 1928	Pass
Resistance to tearing	longitudinal direction	EN 12310-1	≥100N
	transverse direction		≥100N
Maximum tensile stress	longitudinal direction	EN 12311-2	≥220 N/50mm
	transverse direction		≥150 N/50mm
Elongation at break	longitudinal direction		≥12%
	transverse direction		≥7%
Water vapour resistance		EN 1931	2,5*10 <sup>11</sup> ± 30% m <sup>2</sup> sPa/hg
Water vapour transmission properties (Sd)		EN 1931	50m ± 30%
Temperature range		-	-30 : 70 °C
Chemical durability		EN 1847	Pass
Joint strength		EN 12317-2	NPD
Resistance to impact		EN 12691	NPD mm
Dangerous substances		-	NPD



### CARACTERISTICI

**BILKA ALU90** is a vapour barrier foil, a multilayer film consisting of one layer of metalized polypropylene film, polypropylene mesh, and polyethylene film.

"The BILKA ALU 90 Foil is designed to perform a vapor barrier in the construction of roofs.

The metalized layer reflects thermal radiation, preventing heat loss. Product is an insulating barrier to water vapor and the wind. Such membranes can be used in all ventilated and non-ventilated roofs.

**Assemblage rules: BILKA ALU90 Foil** should be mounted on the "hot" side of the thermal isolation of the roof or walls, aluminum side in the direction of the room. The foil can be laid in parallel or perpendicular to the roof rafters. In the case of perpendicular installation to the rafters, the installation should start along the roof's crest and the following foil bands to be mounted under the previous layer, using a 15 cm overlap and seal the connection with the special tape. In the case of parallel installation to the rafters, mount continuously under the rooftop, using a 20 cm overlap and if possible, connect the foil strips in the rafters area and also seal with special tape. The foil should be fixed with nails or staples every 10-15 cm. After assembly, secure all fixing points, connection and foil joints with a special tape in order to prevent the infiltration of water vapor from the room into the thermal isolation layer.

**Storage rules:** Protected from direct exposure to atmospheric conditions, away from heat sources (min 1 m).

**Related prescriptions, specifications:** EN 13984:2013.

**Possible risks:** There is no risk of endangering health.