

TECHNICAL DATA SHEET

- Unique identification code of the product-type:
Metallised vapour barrier foil **KRUMBER REFLEX ALU90**
- Manufacturer:
KRUMBER GROUP Marcin Tomaszewski, ul. Kościuszki 17, 95-054 Ksawerów, Polska
- Harmonized standard:
EN 13984:2013
- Application:
Metallised vapour barrier foil KRUMBER REFLEX ALU90 is the multilayer film consisting of one layer of metallized polypropylene film, polypropylene mesh and polyethylene film. The film KRUMBER REFLEX ALU90 is designed to perform vapor barrier in the construction of roofs. The metallised layer reflects thermal radiation, preventing heat loss. Product is insulating barrier to water vapor and the wind. Such membranes can be used in all ventilated and non-ventilated roofs. Mechanical fixing permitted provided the use of special self-adhesive sealing tape.

5. Charakteristics:

Characteristic		Method test	Unit	Declared value
Dimensions	Wigth*	PN-EN 1848-2	m	1,5 ± 0,5%
	Length of the roll*		m	50 (-0/+2%)
	Thickness	PN-EN 1849-2	mm	0,20 (-0,01;+0,01)
Mass per unit area		PN-EN 1849-2	g/m ²	90 ± 25%
Reaction to fire		PN-EN ISO 11925-2	-	Class E
Water tightness (2 kPa)		PN-EN 1928	-	Conforming
Water tightness after artificial ageing		PN-EN 1296 PN-EN 1928	-	Conforming
Resistance to tearing	in longitudinal direction	PN-EN 12310-1	N	≥100
	in transverse direction		N	≥100
Maximum tensile stress	in longitudinal direction	PN-EN 12311-2	N/50mm	≥220
	in transverse direction		N/50mm	≥150
Elongation at break	in longitudinal direction	PN-EN 12311-2	%	≥12
	in transverse direction		%	≥7
Water vapour resistance		PN-EN 1931	m ² sPa/kg	2,5 *10 ¹¹ ± 30%
Water vapour transmission properties (Sd)		PN-EN 1931	m	50 ± 30%
Temperature range		-----	°C	-30 ÷ 70
Chemical durability		PN-EN 1847	-	NPD
Joint strenght		PN-EN 12317-2	-	NPD
Resistance to impact		PN-EN 12691	mm	NPD
Dangerous substances		-----	-	NPD

*or as agreed with the customer