



REFLECTIVA

Reflectiva ROOF OPTIM

Anti-condensation membrane with aluminised foil, 4 layers — 75 m² roll (1.5 × 50 m)

Flexible diffusion membrane for waterproofing, in a four-layer composition: outer aluminised foil with micro-perforations and three inner layers of microporous polypropylene film. It reflects approximately 82 % of infrared radiation, with constant emissivity also after artificial ageing.

TECHNICAL CHARACTERISTICS

Composition	4 layers: outer aluminised foil with micro-perforations + three layers of microporous polypropylene film; two self-adhesive strips integrated along the entire length	
Roll dimensions	1.50 m × 50 m — 75 m²; 12 kg	EN 1848-2
Mass per unit area	155 g/m²	EN 1849-2
Emissivity (before / after ageing)	0.18 / 0.18	prEN 15976
Water vapour diffusion resistance, Sd	0.07 m (±0.02)	EN 12572
Water penetration resistance	Class W1, including after artificial ageing	EN 1928 / EN 13859-1 Annex C
Tensile strength (MD / CMD)	330 / 230 N/50 mm; after ageing 280 / 195	EN 12311-1
Elongation (MD / CMD)	40 % / 20 %; after ageing 30 % / 10 %	EN 12311-1
Tear resistance	130 / 140 N	EN 12310-1
Dimensional stability	< 2 %	EN 1107-2
Flexibility at low temperatures	−20 °C	EN 1109
Service temperature range	−40 ... +80 °C	
Reaction to fire	Class E	SR EN 13501-1 / EN ISO 11925-2
Estimated service life	30 years	

FIELDS OF USE

Pitched roofs, ventilated façades, applications under roof coverings (tile, sheet metal). Compatible with discontinuous roof coverings in accordance with EN 13859-1.

PACKAGING AND STORAGE

Rolls stored horizontally, on a clean, flat surface, protected from sunlight.

INSTALLATION

Fixed horizontally over the roof boarding, thermal insulation or rafters, with overlaps of at least 150 mm, depending on the slope. The adhesive strip on the inner side — always facing down; the one on the aluminised foil — always facing up. Ventilation is provided above the membrane, via counter-battens and battens; no ventilation space is provided below the membrane. Direct exposure: maximum 90 days until the roof covering is installed.

S.C. ISO FLECT INSULATION S.R.L.

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Warehouse and deliveries

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The declared values come from the Isoflect Insulation product documentation and the related test reports. They refer to the product, not to the assembly in which it is installed; system performance is established through a hygrothermal calculation for each individual case. The manufacturer reserves the right to change specifications without prior notice — always check the revision in force. Revision 4 · 13.09.2026