

## TECHNICAL DATA SHEET

### Eurovent **RFLEX**

Highly reflective five-layer vapour-permeable roof and facade membrane. Made of two layers of polypropylene non woven, functional film, unique reinforcement and alu metalized film. Functional film ensures high vapour-permeability and water-tightness of the underlay. Special reinforcing mesh makes the membrane extremely resistant to mechanical damage. Perforated alu film reflects up to 95% of radiant heat and ensures much higher breathability than most other reflective breather products. The high level of solar reflectance has been proven to reduce energy consumption. Thermal emissivity together with extreme resistance to tearing makes it the membrane of choice for the most demanding roofers and constructors. Product contains special stabilization additives which allow to perform assembly of final roof covering with considerable delay. Membrane is available in SYSTEM SK2 with two self-adhesive tapes.



PARAMETER	UNIT	VALUE
Vapour-permeability	[g/m <sup>2</sup> /24h]	ca. 3000
Reaction to fire		E
Time exposure	[°C]	-40 do +100 / +120**
Sd value	[m]	> 0,02 m
UV resistance	[month]	4*
Exposure time on UV	[week]	4
Thermal emissivity EN 15976	[W/(m·K)]	0,17 -/+ 0,01
Mass per unit	[g/m <sup>2</sup> (±5%)]	ca. 180
Water-tightness		W1
Tensile strength MD	[N/50 mm]	≥500 (+/-100)
Tensile strength CD	[N/50 mm]	≥400 (+/-100)
Tearing Resistance MD	[N]	≥350 (+/-70)
Tearing Resistance CD	[N]	≥330 (+/-70)
Color		aluminum / grey
Roll size	[m x rm]	1,5 x 50 = 75 m <sup>2</sup>
Pallet	[roll]	40
Thermal emissivity		0,17 (+/-0,01)

#### Advantages:

- Highly reflective • Extreme tear resistance • Fast and easy installation
- High vapour-permeability • Water-tightness

\* UV stabilization even up to 4 months according to artificial ageing performed in the laboratory related to the conditions of average sun exposure for the climate in Central Europe.

\*\* Limited time exposure.

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### Application:

Membrane is designed for use as initial covering for facades and ventilated sloping roofs, also when fully sarked. Product is also suitable for application when conducting 'reverse renovation' works in roof and attic. Preservation of venting slot between the membrane and the thermal insulation (mineral wool, fiberglass) is not required for installation – product can be installed directly on thermal insulation. The final roof covering must be assembled with batten and counter-batten. Suitable for use in nearly all types of roof coverings – recommended for cement and clay tiles as well as metal roofing.



### Installation recommendations / warranty:

Installation of the roof cover should be completed within 4 weeks after mounting the roofing membrane. Within 12 weeks of the installation, thermal insulation or attic blackout should be installed in the attic. The product is under warranty, providing that the guidelines contained in technical data sheet are being obeyed. We reserve the right to refuse a complaint recognition in case of not following these guidelines.

### Storage / transport:

The product should be stored in a dry place, under cover, free from moisture and UV radiation in original undamaged and closed package. Rolls should be transported in covered means of transport. They should be prepared for transport in a manner that protects them from damage and destruction. During transport safety regulations must be observed. The product should be protected from chemical agents, in particular solvent-based substances, as they can reduce technical parameters of foil or permanently damage it.

### System SK2:

Membrane is available, on demand in SYSTEM SK2 based on two integrated self-adhesive tapes. This solution facilitates installation and guarantees proper sealing of overlaps. Two complementary tapes enable durable connection of membranes in all weather conditions: at high humidity, during strong winds, in the rain, at low temperatures, on a heavily soiled membrane's surface. To gain proper sealing of overlaps, use the line which is min. 10 cm from the membranes edge.

*Contained information, advice and guidance is given based on our knowledge, researches, experience and in good faith. We are not responsible for the consequences of improper or incorrect use of our products. Each user of this material will ensure in every possible way, including an examination of the final product in the relevant conditions, the suitability of supplied materials to achieve the objectives pursued by him.*

Product information can be found on the website: [www.eurovent.de](http://www.eurovent.de)

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