

## TECHNICAL DATA SHEET

### Eurovent **AKTIV ALU**



Three-layer metallised vapour control membrane. Composed of an aluminium layer, a functional film, and polypropylene non-woven fabric. The aluminium layer reflects thermal radiation back into the interior of the building. The membrane's properties help prevent water vapour condensation. Available on request with two integrated self-adhesive strips – SYSTEM SK2.

| PARAMETER              | UNIT                     | VALUE                        |
|------------------------|--------------------------|------------------------------|
| Material               |                          | PP + metallisation           |
| Vapor permeability     | [g/m <sup>2</sup> /24h]  | 1-2                          |
| Fire reaction          |                          | E                            |
| Temperature resistance | [°C]                     | -40 up to +80 / 100**        |
| Sd value               | [m]                      | ca. 40 +/- 60%               |
| UV resistance          | [months]                 | 2*                           |
| UV exposure time       | [weeks]                  | 4                            |
| Mass per unit          | [g/m <sup>2</sup> (±5%)] | ca. 110                      |
| Water-tightness        |                          | W1                           |
| Tensile strength MD    | [N/50 mm]                | ≥200                         |
| Tensile strength CD    | [N/50 mm]                | ≥120                         |
| Tearing Resistance MD  | [N]                      | ≥125                         |
| Tearing Resistance CD  | [N]                      | ≥170                         |
| Color                  |                          | aluminium / anthracite       |
| Roll size              | [m x mb]                 | 1,5 x 50 = 75 m <sup>2</sup> |
| Pallet                 | [rolls]                  | 50                           |

\* UV stabilization even up to 2 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:** It is used in residential and industrial construction as a vapour control layer that protects the attic or wall from excessive moisture penetrating from the interior into the thermal insulation. Thanks to its active properties, it helps prevent the so-called „plastic bag effect,” which leads to the development of mould and fungi in the attic due to excessive humidity. It protects structural timber from rot and reflects thermal radiation, improving the building’s energy efficiency. During installation, it is essential to use Eurovent® ALUFIX or Eurovent® DUO tape for sealing membrane overlaps, and Eurovent® ALUFIX or Eurovent® UNO tape for sealing joints with roof or wall structural elements.

**Installation Recommendations / Warranty:** Installation should be carried out using Eurovent® tapes for gluing overlaps, repairs and protecting places where the membrane is punctured (caused by staples, nails, other mechanical damage). It is essential to protect the places where the membrane is punctured (damaged). Within 4 weeks from the date of installation, the vapor barrier membrane should be protected against the effects of daylight (UV radiation). The product is covered by a warranty provided that the guidelines contained in the technical data sheet and installation instructions are strictly observed. The manufacturer reserves

**Safety:** The product is not intended for consumption. Avoid contact with eyes. In case of skin irritation, consult a doctor.

**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, especially solvent-based substances, as they may degrade its technical properties or cause permanent damage.

**System SK2:** Membrane is available, on demand in SYSTEM SK2 based on two integrated self-adhesive tapes. This solution facilitates installation and guaran-tees 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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