



H 51131

# ALUPLAN ALGV E 40 K PLUS

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| <b>Product</b>      | SBS-modified bitumen membrane with aluminium composite and glass-fibre reinforcement<br>The upper side is equipped with adhesive areas by thermal activation for the bonding of EPS thermal insulation.  |
| <b>Top side</b>     | Sand with integrated thermal activation stripes (foil)<br>Thermal activation selvedge of 10 cm on both sides (foil)  |
| <b>Bottom side</b>  | Foil   |
| <b>Intended use</b> | • Vapour control layer   |
| <b>Standard</b>     | EN 13970   |
| <b>Application</b>  | Torch-on method<br>Side and end laps min. 10 cm overlap<br>The stick on of polystyrene insulation plates needs to be done immediately after thermal activation of the of the adhesive areas (by melting away the upperside foil with a burner) |
| <b>Packaging</b>    | 18 rolls of 10 m x 1m = 180 m <sup>2</sup> per pallet  |

| Characteristics                                    | Testing method | Unit              | Result              |
|--|----------------|-------------------|---------------------|
| Length   | EN 1848-1      | m                 | 10,0                |
| Width  | EN 1848-1      | m                 | 1,00                |
| Straightness                                       | EN 1848-1      | mm/10m            | < 20                |
| Mass per unit area                                 | EN 1849-1      | kg/m <sup>2</sup> | 4,3 (±0,3)          |
| Thickness  | EN 1849-1      | mm                | 3,8 (±0,2)          |
| Watertightness                                     | EN 1928        | kPa               | 60                  |
| Reaction to fire test                              | EN 13501-1     | Klasse            | E                   |
| Shear resistance of joints                         | EN 12317-1     | N/50mm            | ≥ 250               |
| Tensile force long./trans.                         | EN 12311-1     | N/50mm            | 500/400 (±100/±100) |
| Elongation at single-end breaking force            | EN 12311-1     | %                 | 4/4 (±2/±2)         |
| Resistance to impact                               | EN 12691       | mm                | NPD                 |
| Resistance to static loading                       | EN 12730       | kg                | NPD                 |
| Resistance to tearing (nail shank) long./trans.    | EN 12310-1     | N                 | 180/180 (±50/±50)   |
| Flexibility at low temperatures                    | EN 1109        | °C                | -15                 |
| Flow resistance at elevated temperature            | EN 1110        | °C                | 70                  |
| Watertightness transmission after artificial aging | EN 1928        | kPa               | 60                  |
| Water vapour transmission                          | EN 1931        | Sd                | > 1500 m            |
| Water vapour transmission after artificial aging   | EN 1931        | Sd                | > 1500 m            |

NPD = No performance determined

The declared data are indices based on the statistical quality control and refer to the date of production. Consider state of the art, standards, legal provisions and guidelines for the suitability of the mentioned field of application and application method. All specifications are without obligation. The user must assess the suitability of the product for the particular purpose and ensure the user's access to the current version of the product data sheet.

**Subject to alteration without notice.**

Storage conditions: The products have to be stored in original packaging, being protected from direct sun light, UV-beams and extreme conditions like heat, frost, moisture, etc. During cold season store the products in a frost-free area (+5°C) for 12 hours before application.

**Development, Production and Sales of our products according to ISO 9001.**