



H 51206

**ALUPLAN ALGV E 40 K RELAX+**

<b>Product</b>	SBS-modified bitumen membrane with aluminium composite and glass-fibre reinforcement The upper side is equipped with adhesive areas by thermal activation for the bonding of EPS thermal insulation. Fast-track bitumen stripes and RELAX-technology at the bottom side equalizes vapour pressure.
<b>Top side</b>	Sand with integrated thermal activation stripes (foil)
<b>Bottom side</b>	Fast-track bitumen (foil) with integrated vapour pressure balancing
<b>Intended use</b>	<ul style="list-style-type: none"> <li>• Basement waterproofing systems against soil moisture</li> <li>• Vapour control layer</li> </ul>
<b>Standard</b>	EN 13969, EN 13970
<b>Application</b>	Torch-on method Side and end laps min. 10 cm overlap 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>	NPD
Thickness	EN 1849-1	mm	4,0 (±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 (±200/±100)
Elongation at single-end breaking force	EN 12311-1	%	5/5 (±3/±3)
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.**