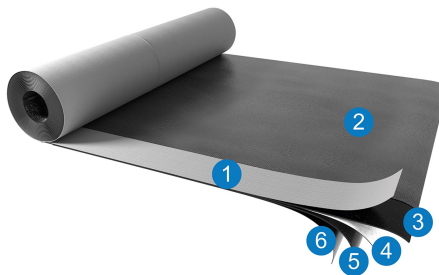


# NOVA-SK ALU

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<b>DESCRIPTION</b>	<p>NOVA-SK ALU is a elastomeric self adhesive bitumen waterproofing membrane (SBS), industrially manufactured by impregnation of the reinforcement with the waterproofing compound based on distilled bitumen modified with elastomeric polymers of the latest generation, which gives to the compound superior technical characteristics.</p> <p>The composite reinforcement, made of nonwoven spunbond polyester in combination with fiberglass combined to an aluminium foil, conveys absolute impermeability against water vapour and thermal stability, excellent dimensional stability and elastic performance.</p> <p>Shaping of sheets, straightness, dimensional and surface uniformity are accomplished by hot calendaring of the mass at hot melt fluid state.</p> <p>The lower surface is treated with a special bitumen-elastomer compound obtained from the combination of polyolefin polymers, thermoplastic elastomers and adhesive resins which make the membrane self-adhesive and self-sealing.</p> <p>The upper surface is coated with thermo-fusibile polyolefin film or nonwoven polypropylene and selvage protected by anti-adhesive removable film for easy welding overlap. The lower surface is protected with a anti-adhesive removable film.</p>
<b>FIELD OF APPLICATION</b>	<p>NOVA-SK ALU is a high performance membrane. It is particularly suitable as water vapour barrier, under layer in multi-layer waterproofing systems, with all membrane types; it is very appropriate where the flame is not allowed for safety reasons.</p> <p>General roofing, discontinuous roofs, on or under floors or ground slabs, are valid examples of the design application of this product where it's necessary a barrier against water vapor. It can be applied onto every substrate (concrete, masonry, steel, tension structures, wood, cellular insulation panel, membrane, etc.). It is not suitable for roof gardens.</p> <p>The excellent mechanical characteristics and high level thermo-dynamic stability make it suitable for any climate conditions and all the situations where a barrier against water is required.</p>
<b>METHOD OF INSTALLATION</b>	<p>The high adhesive characteristics allow the membrane to be applied directly on the support without the use of a flame, removing the lower anti-adhesive protective film; for application, a minimum ambient and substrate temperature above 10-15 °C is required.</p> <p>In particular conditions, at lower temperatures, a moderate use of flame or hot air may be required to facilitate adhesion to the substrate and between the joints.</p> <p>The laying of insulating panels on the extrados of the membrane can be carried out with the use of specific adhesives.</p> <p>The membrane can be applied to any type of substrate such as: concrete, brick, sheet metal, wood, all types of insulating panels or other compatible membranes.</p> <p>The use of Elastocol 600, cold adhesion promoter, is essential for applications on cementitious substrates; recommended for metal and wood.</p>
<b>PACKING AND STORAGE</b>	<p>The product is packed as standing rolls on wooden pallets wrapped with thermoshrinking protective hoods. Rolls must be stored in the upright position, without stacking the pallets to avoid deformations which can compromise the correct application of the membrane. The product must be stored indoor, protected from heat and frost.</p>
<b>INTENDED USE OR USES</b>	<p>Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing</p> <p>Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets</p> <p>Flexible sheets for waterproofing. Bitumen water vapour control layers</p> <p>Flexible sheets for waterproofing. Underlays for discontinuous roofing</p>

1. Auto-Adhesive Selvage
2. Nonwoven polypropylene
3. Waterproofing mass
4. Reinforcement
5. Auto-Adhesive waterproofing mass
6. Anti-Adhesive removable film



# NOVA-SK ALU

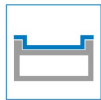
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## TECHNICAL DATA

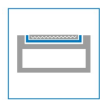
	Norm	Value		Unit	Tolerance
		2	3		
Thickness	EN1849-1	2	3	(mm)	±0,2
Roll length	EN1848-1	15	10	(m)	-1%
Roll width	EN1848-1	1	1	(m)	-1%
Straightness	EN1848-1	PASSED		-	20 mm / 10 m
Flexibility at low temperature (pliability)	EN1109	-25		(°C)	≤
Heat flow resistance	EN1110	100		(°C)	≥
Watertightness	EN1928-B	60		(kPa)	≥
Water vapour transmission properties	EN1931	15.976.000 *		(μ)	-
M.d. C.d.					
Tensile properties: maximum tensile strength	EN12311-1	300 / 250		(N/50 mm)	-20%
Tensile properties: elongation at break	EN12311-1	20 / 20		(%)	-15
Resistance to tearing (nail shank)	EN12310-1	100 / 100		(N)	-30%
Dimensional stability	EN1107-1	±0,3 / ±0,3		(%)	≤
Resistance to static puncture	EN12730-A	NPD			
Resistance to impact	EN12691-A	NPD			
External fire performance (note 1)	EN1187/EN13501-5+A1	Froof		Class	-
Reaction to fire	EN11925-2/EN13501-1+A1	E		Class	-
Root resistance	EN13948	NPD			
Visible defects	EN1850-1	PASSED		-	-
Durability: Flexibility at low temperature after artificial ageing	EN1296/EN1109	-25		(°C)	+15
Durability: Flow resistance at elevated temperature after artificial ageing	EN1296/EN1110	NPD			
Durability: Watertightness after artificial ageing	EN1296/EN1928-B	PASSED		(kPa)	≥ 60
Durability: Watertightness against chemicals	EN1296/EN1847	NPD			
Durability: Resistance to water vapour after artificial ageing	EN1296/EN1931	PASSED		(μ)	± 50 % v.i.
Durability: Chemical resistance	EN1847/EN1931	PASSED		(μ)	± 50 % v.i.
Substances dangereuses (notes 2 and 3)	-	CONFORM		-	

**WARNINGS** \* Test Report TUM nr. 51-15-0005

**NORMS** EN13707; EN13969; EN13970; EN13859-1



Base sheet  
in multi-  
layers  
systems



Water  
vapour  
barrier



Damp proof  
courses