

TECHNICAL DATA SHEET

AUTOTAK is a self-adhering waterproofing membrane made of distilled bitumen modified with SBS (styrene-butadiene-styrene) polymers, with an adhesive coating on the lower face and a self-protecting upper mineral surface. Application is very simple and safe: once aligned the roll in place over a clean and primed substrate, by simply removing the silicone films from the underside and from the selvage strips, AUTOTAK will adhere in place without the need of a propane gas torch or a hot air machine. Head joints require the use of an approved mastic sealant (COPERGLUE JOINT bituminous adhesive is recommended). The carrier is a composite polyester stabilised with longitudinal glass yarns that combine superior dimensional stability with high tensile strength and elongation values and excellent mechanical properties in general.

CE MARK: RECOMMENDED DESTINATIONS OF USE *

Waterproofing layer under slates or tiles (UNI EN 13859-1)	AUTOTAK 1.5 MM	
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(*) On demand this product can be manufactured also in other thicknesses; consult with Copernit Sales Office.

AVAILABLE SURFACE FINISHES

Upper surface: upper finish with plastic films (PP or PE).
Lower surface: silicone release film

PROPERTIES	TEST METHOD	UNIT	DECLARED VALUES	TOLERANCES	
Length	EN 1848-1	m	20	±1%	
Width	EN 1848-1	m	1,0	±1%	
Thickness	EN 1849-1	mm	See CE Mark table above	±5%	
Unit Weight	EN 1849-1	kg/m ²	See CE Mark table above	±5%	
Tensile Strength (at break)	EN 12311-1	N/5 cm	L	400	±20%
			T	300	±20%
Elongation (at break)	EN 12311-1	%	L	35	-15 absolute
			T	35	-15 absolute
Tear resistance (nail test)	EN 12310-1	N	L	130	±30%
			T	130	±30%
Resistance to static loading	EN 12730 (A)	kg	10	--	
Impact resistance	EN 12691	mm	700	--	
Dimensional Stability	EN 1107-1	%	± 0,3	--	
Flexibility at low temperature	EN 1109	°C	-15	--	
Flow resistance	EN 1110	°C	100	--	
Water tightness	EN 1928	kPa	60	--	
Reaction to fire	EN 13501 -1	---	Euroclass F	--	
Resistance to external fire	EN 13501 -5	--	F roof	--	

FIELDS AND METHODS OF APPLICATION

AUTOTAK MINERAL is recommended as a waterproofing layer below roof tiles or on pitched roofs in general where the use of a free flame is not permitted or advisable, thus preventing the use a torch applied waterproofing membrane (i.e. : over wooden decks or fire sensitive insulation layers, etc.).

AUTOTAK is fast and safe to apply and is a time saving product.

Some general recommendations:

- AUTOTAK must be stored in sheltered premises away from direct sunlight and/or frost. Pallets must not be double-stacked
- AUTOTAK shall be applied at ambient temperatures above + 5°C;
- The receiving surface shall be prepared dry, clean from debris, dust or loose particles, duly primed to ensure maximum bond to the substrate (the use of COPER E bituminous primer or COPER SINT synthetic primer is recommended);
- The use of mechanical fixations shall be provided in applications with a pitch of 15% or more, as normally recommended for exposed waterproofing sheets applied on vertical surfaces;
- Along perimeters the use of a normal elastomeric membrane applied by torch is recommended.

For correct installation refer to information provided by Copernit Technical Department.