

AUTOTAK

Compound
SBS

Cold Flexibility
-20°C

CHARACTERISTICS

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. 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 selvedge 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) or, alternatively, a hot air device.

CARRIER

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.

INTENDED USE ACCORDING "CE" MARK STANDARDS

Underlay or intermediate layer in multi-layer systems for roof waterproofing also under ballast of other heavy protection (EN 13707)	AUTOTAK 2,0 – 3,0 – 4,0 mm
Waterproofing layer under slates or tiles (EN 13859-1)	AUTOTAK MINERAL 3,5 – 4,0 kg/m ²

AVAILABLE SURFACE FINISHES

Upper surface AUTOTAK: TEX (non-woven black polypropylene film) or plastic HDPE film with 10 cm silicone release side overlap.
AUTOTAK MINERAL: self-protection by means of slate flakes available in standard grey or other various colours upon request, with 10 cm silicone release side overlap.

Lower surface Silicone release film, divided into two parts for easy placement and alignment of the rolls during the application.

USE & APPLICATION

AUTOTAK and AUTOTAK MINERAL are indicated, respectively, as underlay or as 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 of a torch applied membrane (for example: over wooden decks or fire sensitive insulation layers).

AUTOTAK and AUTOTAK MINERAL are fast and safe to apply and are time-saving products. Some general recommendations:

- The receiving substrates must be firm, dry, clean, smooth and free of loose particles, dust, oils (grease, shutter release oils etc.). Subject to the substrate surface, Primer TAK (200-300g/m²) can be used to improve adhesion to the maximum:
 - Concrete/metal substrate: RECOMMENDED
 - Timber/OSB substrate: ADVISED
 - EPS/XPS/PIR substrate: NOT RECOMMENDED
- Avoid installation of AUTOTAK membranes over thermal insulation boards of fibrous matter, that are easy to delaminate or not very compact in general.
- AUTOTAK membranes shall not be installed at ambient temperatures below 10°C and/or in presence of persistent fog.
- Rolls should be stored in shaded and ventilated spaces, sheltered from direct sunlight and/or frost, until the actual start of the installation works.
- Storage under tarpaulins or in open spaces at temperatures above 28°C should be strictly avoided. Rolls should be stored in vertical position. Do not double stack pallets.
- Do not remove the silicone film of the AUTOTAK membranes prior to installation.
- Side overlaps between adjoining sheets should be of at least 10 cm and should be pressed firmly with a rubber hand roller. Good adhesion of side joints is made easier by the removable siliconized selvedge film. The head overlaps should be of at least 15 cm; it is recommended to use COPERGLUE JOINT adhesive mastic or, alternatively, a hot air device to ensure a perfect seal.
- The use of mechanical fixations along joint lines before sealing shall be provided in applications with a pitch of 15% or more.
- Any top layer installed over a plain surfaced AUTOTAK membrane should be always fully torch bonded.
- At perimeters and along vertical reliefs, AUTOTAK shall be brought up min. 30 cm above the maximum level of expected water ponding. For proper sealing along parapets proceed according to one of the following ways:
 - Secure AUTOTAK mechanically along the parapet wall by means of an approved termination bar.
 - Overlap with a strip of heat-welded elastomeric membrane
- AUTOTAK or AUTOTAK MINERAL shall not be installed as exposed single waterproofing layers, or installed on substrates of unseasoned or resinous wood or on timber impregnated with rot-proof chemicals, or over beaded canopies, wooden decks or pergolas located directly above inhabited and/or furnished spaces. For all such cases it is recommended to install first over the entire timber substrate COPERFIX UNIVERSAL, a separation layer to be mechanically fixed with large headed nails. AUTOTAK or AUTOTAK MINERAL shall be installed thereafter, having care to comply with all the recommendations listed above.
- The smooth surfaced versions of AUTOTAK must always be protected either by a torch applied cap sheet membrane, or by screed or other heavy duty protection. Direct exposure to UV should be avoided.

Properties	Test Method	Unit	AUTOTAK 2,0 mm	AUTOTAK 3,0 – 4,0 mm	AUTOTAK MINERAL	Tol.
Length	EN 1848-1	m	15 (-1%)	10 (-1%)	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	1,0 (-1%)	1,0 (-1%)	≥
Unit weight (<i>versions specified by weight</i>)	EN 1849-1	kg/m ²	--	--	3,5 - 4,0	±10%
Thickness(<i>versions specified by thickness</i>)	EN 1849-1	mm	2,0	3,0 – 4,0	--	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	400/300	400/300	400/300	±20%
Elongation (at break) L/T	EN 12311-1	%	35/35	35/35	35/35	±15
Tear resistance (nail test) L/T	EN 12310-1	N	130/130	130/130	130/130	±30%
Resistance to static loading	EN 12730 (A)	kg	10	10	10	≥
Impact resistance	EN 12691	mm	700	700	700	≥
Dimensional stability	EN 1107-1	%	±0,3	±0,3	±0,3	≤
Flexibility at low temperature	EN 1109	°C	-20	-20	-20	≤
Flow resistance at elevated temperature	EN 1110	°C	90	90	90	≥
Watertightness (method A)	EN 1928	kPa	60	60	60	≥
Resistance to water vapor diffusion (μ)	EN 1931	--	20.000	20.000	20.000	--
Reaction to fire	EN 13501-1	Class	E	E	E	--
Resistance to external fire	EN 13501-5	Class	F _{ROOF}	F _{ROOF}	F _{ROOF}	--

For a complete product information, its correct installation and recommendations refer to the "AUTOTAK-THERMOTAK-STRIP" catalog provided by Copernit.