

Product Technical Information

ITA/ATEXP/ 405

Revision 0 dated: 01 / 10 / 2013

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SUN-ACTIV®

DESCRIPTION AND SCOPE OF APPLICATION

SUN-ACTIV® membrane is a high quality reinforced bituminous SBS membrane. Its surface is covered with a white polymer coating with a high reflection capacity in order to decrease the temperature at the building's roof surface.

The composite reinforcement is coated with a SBS bitumen. This results in a flexible and smooth installation with outstanding elastic properties.

SUN-ACTIV® membrane is a cap sheet and it is installed as top layer in a 2-layer roofing system for non-accessible or technical roofs.



COMPOSITION

Main surface	white coating with bitumen sidelap
Blend	SBS elastomeric bitumen
Reinforcement	Composite reinforcement 170gr/m2
Underface	torchable film

DIMENSIONAL CHARACTERISTICS


Nominal thickness on the main surface (mm)	3,0 ± 0,2
Roll nominal length and width (m)	7 x 1
Weight (kg/m2)	3,97 ±5%
Selvedge width (mm)	80

PERFORMANCES

KIND OF TEST	Reference Norm	Units	Nominal values	Tolerance
Tensile strength at max	EN 12 311-1	N/50mm	1200 x 1100	±10%
Elongation at max	EN 12 311-1	%	4,5 x 5	±5%
Nail tearing resistance	EN 12 310-1	N	460 x 540	±10%
Cold temperature flexibility	EN 1109	°C	-20	-15 VLF
Heat flow test	EN 1110	°C	105	100 VLF
Dimensional stability	EN 1107-1	%	± 0,3	
Static puncture resistance	EN 12730	kg	15	
Resistance to impact	EN 12691	mm	1400	
Shear resistance of joint	EN 12317-1	N/50mm	1200 x 1000	±10%
Water tightness	EN 1928 - B	kPa	60	
Reaction to fire	EN 13501-1	-	E	
External fire performance	EN 1187		BRoof t3 ⁽¹⁾	
Solar Reflective Index	ASTM E 1980		98	± 2

(1) Over mineral wool

ISO 9001 REFERENCE DOCUMENT

Our company has been awarded the ISO 9001 certificate for all its establishments in France.	
The CCP SUN-ACTIV is the ISO 9001 reference document.	

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GENERALITIES ABOUT APPLICATION

Use	Non-accessible roof or technical roofs
Application	The generalities about the product application are set out in the ZTA STANDARD. See also SUN-Activ® CCP Installation Manual.
System Design	See SUN-Activ® CCP Installation Manual
Overlaps	See SUN-Activ® CCP Installation Manual
Slopes	See SUN-Activ® CCP Installation Manual

COMPLEMENTARY INFORMATIONS

Values	Where 2 values for given characteristics are shown, the first is for longitudinal direction and the second is for the cross direction.
Tolerances	The average values are derived from standard tests and are subject to the usual production variations. The indicated average values comply with the UEAtc standard and project pr EN 13707. The nominal value tolerances comply with the UEAtc standards. Some slight variations can be noticed as the values are based on the average values obtained from several plants.
Modification(s)	Our company reserves the right to modify its composition as a result of technologic and experiments improvements. This product data sheet supersedes the previous edition, to obtain the up-date technical data sheet, please contact our technical department.
Hazardous classification	It is not classified as dangerous according to the international regulation (ADR, RID, IATA, et RTMDR)
Complementary information	This product is only a product technical data sheet, regarding each waterproofing design, please, consult the concerned technical agreement and in case of doubt contact our technical department.
Storage	This product is packaged in rolls set up vertically on pallet or wooden box. It must be stored vertically under shelter, away from heat sources.