

SOPRAFIX UNILAY AR IC

SOPRAFIX UNILAY AR IC is a flexible SBS elastomeric bitumen waterproofing membrane with a composite polyester/glass reinforcement.

The topside is self-protected and covered by slate chippings and the underside is covered by fine sand. On the overlap, the lineage for fasteners axis is at 5 cm from the edge.

SOPRAFIX UNILAY AR IC contains fire resistant additives and allows to obtain a classification Factory Mutual. Please contact us for FM Approved roofing assemblies.



User application

SOPRAFIX UNILAY AR IC is used as unilayer membrane mechanically fastened at the overlap. The lineage shows the axis for fastening screws on the overlap. Product for outdoor use only.

All the applications are described in Technical Approvals or **SOPREMA**'s Technical Guidelines in force.

Composition

SOPRAFIX UNILAY AR IC	
Reinforcement	Composite polyester / glass
Binder	Elastomeric bitumen: blend of selected bitumen and SBS* thermoplastic polymers + fire retardant additives
Thickness MDV ⁽¹⁾ according to 13707 Minimum on overlap	4,7 mm (-0%;+10%) 4,0 mm (-5%;+5%)
Topside	Slate chippings
Underside	Fine sand
Overlap	12 cm
*According to UEAtc Technical Guideline for the assessment of roof waterproofing systems made of reinforced SBS bitumen sheets	

Packaging

SOPRAFIX UNILAY AR / AR FE	
Dimensions of the roll	8 m x 1 m
Weight of the roll	about 48 kg
Colours	Black, Grey, Matisse brown, Gauguin red, Veronese green, Cezanne sienna, Chagall grey
Storage	Upright on pallet with plastic wrapping
Roll can be cut in two parts. In this case, the shortest length is 2 meters and the total length is equal to the nominal length. Width of roll is given with a tolerance of 1% (UEAtc). Rolls must be stored upright on flat ground. Pallets may be stacked to a maximum of two high with separating layer. During storage, protect the rolls against moisture. In cold weather, we recommend that the rolls be kept at a minimum temperature of + 2°C (+ 36 °F) for at least 5 hours before installation.	

Characteristics (off CE marking)

	SOPRAFIX UNILAY AR IC
Static puncture resistance (NF P 84-352)	≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353)	≥ 20 J (D3)
Indentation classification I* (NF P 84-354)	I5

*Roofing system classification considering indentation (I) performance criteria

Installation

SOPRAFIX UNILAY AR IC is mechanically fastened and overlap is welded with a blowtorch.

SOPRAFIX UNILAY AR IC cannot be bonded with hot bitumen.

Special indications

Hygiene, health and environment:

The product is an "item" according to the European regulation REACH, it is not classified as dangerous.

About product losses or batch remains: non-hazardous waste, not inert - reuse, incineration in Authorized Installation or stockpiled in an installation for Storage of Non-Hazardous Waste (ISDND: Dumps of class II).

Traceability:

Product traceability is ensured through a manufacturing code present on the packaging.

Quality control:

SOPREMA has always attached the highest importance to the quality of its products, to the respect of environment and men.

For this reason, we apply an integrated management of the **Quality** and **Environment** certified **ISO 9001** and **ISO 14001** and **Health-Security** (OHSAS 18001) certified.

CE marking

 1119
SOPRAFIX UNILAY AR IC SOPREMA 14 rue de Saint-Nazaire – CS 60121 67025 STRASBOURG cedex 06 Construction Product Regulation (CPR) Declaration of Performance: DoP n° WPBFR224 Certificate of Factory Production Control: 1119-CPR-13134
EN 13707 Membrane composed of modified elastomeric bitumen and composite polyester/glass reinforcement. Topside is covered with slate chippings and the underside is covered by fine sand. Dimensions 8 m x 1 m x 4,7 mm. Use as mechanically fastened unilayer membrane and welded by torch-on technique.

Essential characteristics	Performances	Harmonised Technical Specification
Classification for external fire exposure (Note 1)	FROOF (t1,t2,t3,t4)	EN 13707:2004 + A2:2009
Reaction to fire	E	
Watertightness	Conform	
Tensile properties: Tensile strength L x T (N / 50 mm) Elongation L x T (%)	≥ 900 x 750 40 x 30	
Root resistance	NPD	
Resistance to static loading – Method A (kg)	20	
Resistance to impact – Method A (mm)	1500	
Resistance to tearing (nail shank) L x T (N)	≥ 200 x 300	
Joint strength Peel resistance of joints (N / 50 mm) Shear resistance of joints (N / 50 mm)	≥ 100 ≥ 750	
Durability Flow resistance at elevated temperature after ageing	90°C	
Flexibility at low temperature	≤ -16°C	
Dangerous substances (Notes 2 and 3)	Complies	

Note 1: Since external fire performance depends on the other components of the roof build-up, no performance can be given.

Note 2: This product does not contain asbestos or tar constituents.

Note 3: Since there is no European test method available, no performance declaration for leaching behavior can be made. It must be made according to national rules in force in the place of use.

Additional characteristics	SOPRAFIX UNILAY AR IC
Flow resistance at elevated temperature (EN 1110)	100 °C
Dimensional stability (EN 1107-1)	0.3 %
*MLV= Manufacturer's Limiting Value: Minimum value stated by the manufacturer to be met during Quality System	