



WATERPROOFING

THERMOFUSIBLE

ROOFS

M I D D L E E A S T

SOPRALENE FLAM JARDIN HT

SBS MODIFIED BITUMEN MEMBRANE
REINFORCED WITH POLYESTER
ROOT-RESISTANT PROPERTIES

TECHNICAL DATA SHEET SLNEFLMJRD_190507SMEIE001

DESCRIPTION

SOPRALENE FLAM JARDIN HT is a series of reinforced membranes specially designed for roofing applications. SOPRALENE FLAM JARDIN HT bitumen mass contains anti-root penetration properties preventing the penetration of roots through the waterproofing systems and complies with EN 13948.

SOPRALENE FLAM JARDIN HT line of products are manufactured from high performance SBS modified bitumen combined with a high strength non-woven polyester reinforcement. This select combination provides distinguished physical and mechanical properties to the finished membrane that includes thermal stability of the bitumen compound coupled with high puncture, tear and tensile strength. This combination reflects on the long service-life of the SOPRALENE FLAM line of products.

USER APPLICATIONS

SOPRALENE FLAM JARDIN HT is used as a first or second layer under protection where antiroot protection is required in:

- Roofs
- Plaza Deck
- terraces
- Planter boxes
- Vegetated waterproofing

INSTALLATION GUIDELINES

- **Preparation:** Surfaces must be dry and free from loose particles, form-work curing products, irregularities and any protruding elements that might be damaging to the membrane.
- A minimum curing time of concrete of 10 to 14 days is generally required. Curing time also depends on density and thickness of concrete.
- Structures to be covered by SOPRALENE FLAM JARDIN HT must have a surface profile between 3 - 5 (CSP).
- All cracks, holes or voids more than 5 mm must be filled with a bitumen compound (SOPRAMASTIC LM) or fast-setting concrete depending on the surface condition.
- **Priming:** Apply a coat of SOPRADERE HT primer to the surface that will receive SOPRALENE FLAM JARDIN HT membrane. Maintain coverage as per primer's data sheet.
- **Field Membrane Installation (general):** Unroll the membrane roll prior to torching for pre-conditioning and to align the membrane properly to the perimeters of the area starting at the lowest point of the slope.
- Unroll the starter membrane making sure to position the drain in the center of the membrane.
- End-lap joints must be at least 900 mm from the drain to prevent ending up with a lap-joint in the middle of the drain and help in proper alignment of the cap sheet in a two-ply system.
- **Embedding Granules:** When using SOPRALENE FLAM (Mineral Slated) membrane in a two-ply system ensure to embed the granules at the end lap joints by heating the mineral surface of the membrane with a torch to soften the bitumen. When the bitumen becomes shiny and the mineral slates begin to sink slightly, stop torching and embed by a trowel. This will ensure a bitumen-to-bitumen bond at the end-lap joints.
- **Detailing:** For more information on detail treatment refer to SOPREMA's installation guide or consult your local SOPREMA representative.

SUSTAINABILITY, HEALTH & ENVIRONMENT

All our activities & growth target sustainable development to minimize the impact on the environment. SOPRALENE FLAM JARDIN HT does not contain any substances that might be detrimental to health or to the environment and complies with generally accepted health standards. Please refer to the product's Safety Data Sheet for more information.

High Anti-Root penetration properties

High mechanical properties systems

High Resistance to Tear & Puncture

High Resistance to Hydraulic Pressure

Variety of thicknesses and surface finishes



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PACKAGING & SUPPLY

PROPERTY	SOPRALENE FLAM JARDIN HT			
	200 4P			200 4F
Reinforcement	NON WOVEN POLYESTER 200 g/m²			
Thickness	4.0 mm			4.0 mm
Roll dimensions	1 x 10 m			1 x 10 m
Roll weight	53 kg			53 kg
Rolls per pallet	23 Rolls			23 Rolls
Top face	Polyethylene Film			Slate Flakes
Underface	Thermofusible plastic film			

QUALITY CONTROL

SOPRALENE FLAM JARDIN HT membranes are manufactured in ISO-9001 certified SOPREMA factories which are audited by Third-Party organizations. Our product are manufactured to meet SOPREMA's Quality Management Manual

STORAGE & HANDLING

Rolls must be stored upright with the selvedge side upwards. For outdoor storage, protect the membrane with an opaque protective cover after removal of the delivery packaging.

SOPREMA may modify the composition and/or utilization of its products without prior notice.
All products manufactured by SOPREMA for Manufacturing Waterproofing Materials LLC. comply with the description and properties indicated in the technical data sheet that was current on the date of manufacture.



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TECHNICAL PROPERTIES

PROPERTY	STANDARDS	SOPRALENE FLAM JARDIN HT
Tensile strength, MD/CMD	EN 12311-1	800 / 650 N / 5 cm
Elongation, MD/CMD	EN 12311-1	45 / 45 %
Cold flexibility	EN 1109	Pass @ (- 10) °C
Flow resistance at elevated temp.	EN 1110	100 °C
Dimensional stability	EN 1107	≤ 0.5 %
Resistance to static puncture	EN 12730	L ₃ (15 kg)
Resistance to dynamic puncture	UEAtc	I ₃
Tear Strength, MD/CMD	ASTM D 5147	500 / 400 N
Nail tear resistance, MD/CMD	EN 12310-1	200 / 200 N
Watertightness test	EN 1928 : 2000	Conforms
Shear resistance of joint	EN 12317-1	≥ 650 N / 5 cm
Water absorption @ 24 Hrs.	ASTM D 570	< 0.5 %

(All values are nominal)
All values are subject to UEAtc tolerance.
This product does not contain asbestos or tar constituents.
MD = Machine Direction. CMD = Cross Machine Direction.

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