

TECHNICAL DATA SHEET

EN 09MG01A

Cancels & replaces: -



SOPREMA

MONOGUM

MONOGUM is a series of fully reinforced membranes designed for various waterproofing applications. High performance APP modified bitumen combined with an ultra-high strength non woven polyester reinforcement provides unsurpassed puncture resistance.

The top face of the membranes is APP modified bitumen with a plastic film, sand or slate flakes. The underface is a thermofusible plastic film.

► FEATURES AND BENEFITS

- High mechanical properties: good movement accommodation; resistance to tear and puncture.
- High resistance to hydraulic pressure: provides an impermeable and low absorption layer.
- Wide temperature tolerance: stable in tropical climates; resistant to thermal ageing and shock.
- High chemical resistance: withstands effects of salts and other corrosive agents in soil and water.
- Versatile: available with a range of reinforcements, thicknesses and surface finishes for use in a variety of applications.

► INSTALLATION

For complete installation specification, detailed drawings and technical information please contact your local SOPREMA representative. Always qualified personnel for the installation of the membranes.

► SURFACE PREPARATION

All surfaces must be smooth, dry, clean and free of debris.

For concrete or metal substrates, the surface must be primed with a bituminous primer approved by Soprema to enhance the adhesion of the torchapplied waterproofing MONOGUM membranes.

Primer should be applied at the rate of:

- Porous surfaces: 0.3 to 0.5 L/m²
- Non-porous surfaces: 0.1 to 0.25 L/m².

► MATERIALS STORAGE

Rolls of materials should be handled with care and proper equipment. They should be vertically stored and adequately protected in accordance with the manufacturer's recommendations.

► MEMBRANE APPLICATION

Begin application by aligning the first roll of membrane to a previously drawn chalk line. Heat concrete surface and membrane with a propane gas torch. Unroll membrane once bitumen starts to liquify. Subsequent rolls should maintain minimum 75mm side laps and 100mm end laps. On upstands, the uppermost edge of the membrane is to be mechanically fastened to the concrete substrate using termination bars. Apply SOPRAMASTIC on the top edge of the termination bar to prevent water accumulation and infiltration.

► MEMBRANE REPAIRS

Holes and tears in the membrane can be repaired with a piece of membrane. The repair must exceed the affected surface area by at least 100 mm.

ADVANTAGES

CENTURY OF INNOVATION

Over a century of experience in all types of waterproofing applications

THICKNESS

Available in a variety of thicknesses
3 mm, 4 mm and 5 mm

REINFORCEMENTS

Available in 2 grades of reinforcements

SINGLE OR 2 PLY APPLICATION

Can be used in a single or 2 ply application, vertically & horizontally

ADHESION

Heat welded application ensuring full adhesion to surface

SEAMS

Heat welded seams to ensure both ends and side laps are 100% sealed

DURABILITY

Excellent resistance to ageing factors

PUNCTURE RESISTANCE

Excellent puncture resistance

ISO CERTIFIED

ISO 9001 certified for quality management

WARRANTY

Standard 10 year

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www.soprema.ca



NOTE: SOPREMA INC. may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.

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MONOGUM

	3.0 S	3.0 P	4.0 S	4.0 P	4.0 F	5.0 S	5.0 P	5.0 F
Reinforcement	NON-WOVEN POLYESTER							
Thickness	3.0 mm		4.0 mm			5.0 mm		
Roll Dimensions	10 X 1 m		8 X 1 m			8 X 1 m		
Roll Weight	36 kg	35 kg	39 kg	38 kg	39 kg	50 kg	49 kg	50 kg
Top Face	Sand	Plastic Film	Sand	Plastic Film	Slate Flakes	Sand	Plastic Film	Slate Flakes
Underface	Plastic Film							
Storage	Upright on Pallet							

MONOGUM PLUS

	4.0 S	4.0 P	4.0 F	5.0 S	5.0 P	5.0 F
Reinforcement	NON-WOVEN POLYESTER 250 g/m ²					
Thickness	4.0 mm			5.0 mm		
Roll Dimensions	8 X 1 m					
Roll weight	39 kg	38 kg	39 kg	50 kg	49 kg	50 kg
Top Face	Sand	Plastic Film	Slate Flakes	Sand	Plastic Film	Slate Flakes
Underface	Plastic Film					
Storage	Upright on Pallet					

Property	Standard	MONOGUM	MONOGUM PLUS
Tensile Strength, L / W	EN 12311-1	700 / 550 N/5 cm	800 / 650 N/5 cm
Elongation at max load, L / W	EN 12311-1	45 / 45 %	45 / 45 %
Cold Temperature Flexibility	EN 1109	Pass at -10°C	Pass at -10°C
Cold Temperature Flexibility, after EN 1296 accelerated ageing	EN 1109 / EN 1296	Pass at 0°C	Pass at 0°C
Flow Property at High Temperature	EN 1110	130°C	130°C
Flow Property at High Temperature, after EN 1296 accelerated ageing	EN 1109 / EN 1296	130°C	130°C
Dimensional Stability	EN 1107-1	0.5 %	0.5 %
Resistance to Static Puncture	NF P 84 - 352	L ₃ (15 kg)	L ₄ (25 kg)
Resistance to Dynamic Puncture	NF P 84 - 353	D ₂ (10 J)	D ₂ (10 J)
Nail Tear Resistance, L / W	EN 12310-1	150 / 150 N	200 / 200 N
Tear Resistance, L / W	ASTM-D4073	450 / 300 N	0.5 %
Lap Shear Strength	EN 12317-1	350 N/5 cm	500 N/5 cm
Watertightness Test	EN 1928	Pass	Pass

Tolerance Values according to UEAtc.

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