

# SOPRAMASTIC SP2

TECHNICAL DATA SHEET 190507SCANF

(supersedes 160418SCANF)



COMPLEMENTARY PRODUCT  
WATERPROOFING

APPLICATIONS

ROOFS

## DESCRIPTION

**SOPRAMASTIC SP2** is a polyether-based resin, single-component, moisture cure elastomer sealing mastic and adhesive. It is also odourless and has low VOC content.

The **SOPRAMASTIC SP2** sealing mastic and adhesive product is designed to waterproof around roofing details where penetrations represent a technical challenge. It is also used as an adhesive to bond **SOPRAMASTIC BLOCK** precast blocks and others roofing accessories (paver pedestals).

It is used in conjunction with **SOPRAMASTIC BLOCK** precast blocks and **SOPRAMASTIC PF** sealing mastic on roofs covered with SBS modified bitumen membranes with a granular or sanded surface, on organic felt and on oxidized bitumen membranes, such as **SOPRAGLASS 100** (multiply roof). It can be applied to horizontal and vertical surfaces.

## SURFACE PREPARATION

Surfaces must be clean, dry and free of debris, dust, non-adhered particles, oil, corrosion, rust or other contaminants.

Metal surfaces and PVC pipes must be cleaned with non-greasy solvents, such as acetone or methyl ethyl ketone (MEK).

## INSTALLATION

Minimum application temperature: > 0 °C (32 °F)

Service temperature: -40 to 93 °C (-40 to 200 °F)

The **SOPRAMASTIC BLOCK** system should not be exposed to temperatures above 60 °C (140 °F) for extended periods.

Curing time depends on relative humidity, temperature and air movements. However, the product is waterproof once it is dry to touch.

Lay out the **SOPRAMASTIC BLOCK** precast blocks on the desired location and trace the outline for reference. **SOPRAMASTIC BLOCK** precast blocks must be placed so as to ensure there is a minimum gap of 25 mm (1 in) between the block inner wall and the penetrations.

Using a standard cartridge extruder, seal the base of each penetration with the **SOPRAMASTIC SP2** sealing mastic and adhesive. Cover the penetration with sealant at least 25 mm (1 in) above the height of the **SOPRAMASTIC BLOCK** precast blocks.

Under and at the ends of the precast blocks, on the flat surface, apply a 6 mm (1/4 in) bead around the perimeter and at the centre of the surface. Place and align the precast blocks on the roof outline. Apply pressure on the **SOPRAMASTIC BLOCK** precast blocks until product overflows from all sides of the precast blocks to avoid any water infiltration between granules and precast blocks. Install all precast blocks required to achieve the desired configuration.

Apply a bead of the **SOPRAMASTIC SP2** sealing mastic and adhesive to the block joints and at the outer perimeter of the structure made of **SOPRAMASTIC BLOCK** precast blocks. Using the tip of a trowel, bond the **SOPRAMASTIC SP2** sealant and adhesive to the membrane.

**Horizontal surfaces:** completely fill the configuration with the **SOPRAMASTIC PF** sealing mastic.

**Vertical surfaces:** completely fill the configuration with the **SOPRAMASTIC SP2** sealing mastic and adhesive product.

For more information on the product installation, please contact a **SOPREMA** representative.



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## PACKAGING

Specifications	SOPRAMASTIC SP2
Physical state	Liquid
Colour	White
Content	Cartridge of 300 ml (10.1 oz)
Coverage rate per cartridge	4.5 linear m (15 linear ft)

(All values are nominals)

## PROPERTIES

Properties	Standards	SOPRAMASTIC SP2
Sag resistance	ASTM C639	Zero slump
Brookfield viscosity @ 25 °C (77 °F)		1,200 000 cP
Density	ASTM S1475	1.4 kg/L (11.8 lb/gal US)
Solids content		100 %
Elongation at Break	ASTM D412	290%
Tensile Strength	ASTM D412	2.3 MPa (330 psi)
Shear Strength	ASTM D1002	2.6 MPa (380 psi)
Hardness Shore A	ASTM C661	45
Low Temperature Flexibility	ASTM D816	Pass
Shrinkage	-	No visible shrinkage after 14 days
Skin over	ASTM C679	30 minutes

Note: Coverage rate is approximate and may vary due to the application technique and surface roughness.  
(All values are nominals)

## CLEANING

Tools can be cleaned with solvents, such as mineral spirits, Varsol or xylene.

## STORAGE AND HANDLING

This product may be kept for a period of 12 months when properly stored in its original container. **SOPRAMASTIC SP2** sealing mastic and adhesive must be kept at a temperature between 0 and 26 °C (32 to 80 °F) at all times. Store in a ventilated place, away from heat, moisture and sunlight. Keep away from frost.

For more information, please read the instructions on the container label and the relevant Material Safety Data Sheet (MSDS).



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NOTE: All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.