



WATERPROOFING

APPLICATIONS

ROOFS

SOPRALENE 250 FR GR

TECHNICAL DATA SHEET 240220SCANE

(supersedes 230929SCANE)

DESCRIPTION

SOPRALENE 250 FR GR is a high performance cap sheet membrane composed of SBS modified bitumen and a non-woven polyester reinforcement. The surface is protected by coloured granules and the underface is sanded.

This cap sheet membrane is designed to enhance fire resistance and meets the requirements of the CAN/ULC-S107 Class A standard.

INSTALLATION

SEBS HOT BITUMEN

SOPRALENE 250 FR GR is unrolled in a bed of SEBS hot bitumen (SOPRASPHALTE M) applied with a mop.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

GENERAL INFORMATION

| Specifications | SOPRALENE 250 FR GR |
|----------------|-----------------------|
| Reinforcement | Non-woven polyester |
| Dimensions | 8 x 1 m (26 x 3,3 ft) |
| Selvedge width | 75 mm (3 in) |
| Surface | Granules |
| Underface | Sanded |

(All values are nominal)



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

sopca-en-ca-tds-sopralene-250-fr-gr.indd



WATERPROOFING

APPLICATIONS

ROOFS

SOPRALENE

250 FR GR

TECHNICAL DATA SHEET 240220SCANE

(supersedes 230929SCANE)

PROPERTIES

| Properties | SOPRALENE 250 FR GR | | CSA A123.23 Type B, Grade I Requirements |
|--|--|--|---|
| | BEFORE Heat Conditioning | AFTER Heat Conditioning | |
| Thickness, min. | 4.0 mm (157 mils) | | 3.3 mm (130 mils) |
| Selvage thickness, min. | 3.15 mm (124 mils) | | 2.2 mm (85 mils) |
| Mass per unit area, min. | 4.8 kg/m ² (100 lb/100 ft ²) | | 3.7 kg/m ² (75 lb/100 ft ²) |
| Strain energy, min. MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) at -18 °C ± 2 °C (0 °F ± 3.6 °F) | 9.5/7.5 kN/m (54/43 lbf/in) 10/6 kN/m (57/34 lbf/in) | 7.5/6.0 kN/m (43/34 lbf/in) 7/5.5 kN/m (40/31 lbf/in) | 5.5 kN/m (31 lbf/in) 3.0 kN/m (17 lbf/in) |
| Peak load, min. MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) at -18 °C ± 2 °C (0 °F ± 3.6 °F) | 27/19 kN/m (154/108 lbf/in) 32/20 kN/m (183/114 lbf/in) | 24/18 kN/m (137/103 lbf/in) 27/18 kN/m (154/103 lbf/in) | Report value Report value |
| Elongation at peak load, min. MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) at -18 °C ± 2 °C (0 °F ± 3.6 °F) | 55/65% 35/35% | 45/55% 30/35% | Report value Report value |
| Ultimate elongation, MD/XD, at 23 °C ± 2 °C (73.4 °F ± 3.6 °F) | 55/75% | 45/60% | Report value |
| Dimensional stability, max. MD/XD | ±0.2/±0.2% | | 1.0% |
| Low temperature flexibility, max. MD/XD | -18/-18 °C (-0.4/-0.4 °F) | -18/-18 °C (-0.4/-0.4 °F) | -18 °C (-0.4 °F) |
| Low temperature flexibility after UV weathering, max. MD/XD | -12/-12 °C (10/10 °F) | | -12 °C (10 °F) |
| Compound stability | 121/121 °C (250/250 °F) | | min. 102 °C (215 °F) |
| Resistance to puncture | Pass | | Pass |
| Granule embedment | < 2.0 g (0.07 oz) | | max. 2.0 g (0.07 oz) |

(All values are nominal)

STORAGE AND HANDLING

Rolls must be stored upright, with the selvage side on top. If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

sopca-en-ca-tds-sopralene-250-fr-gr.indd

2/2