



WATERPROOFING

APPLICATIONS

ROOFS

SOPRASPHALTE OX TYPE III (BAG)

TECHNICAL DATA SHEET 171030SCANF

(supersedes -)

DESCRIPTION

SOPRASPHALTE OX TYPE III is an oxidized bitumen, in bag.

SOPRASPHALTE OX TYPE III hot bitumen is intended for adhere waterproofing membranes, recovery boards and insulation boards in roofing construction having a slope index of 1 to 25 % according to CSA A123.4.

SUPPORTS/PRODUCTS RECOMMENDED

SBS modified base sheet membrane (never use oxidized bitumen to adhered a cap sheet membrane to a base sheet).

Organic felts (**SOPRAFELT**) or oxidized bitumen membranes such as **SOPRAGLASS 100**, **SOPRA IV**, **SOPRA VI** and **SOPRABASE**.

Recovery boards such as fiberboards (**SOPRAFIBRE 1C**), perlite (**TBD**), asphaltic board (**SOPRABOARD**), composite panel (**XPRESS BOARD HD**), mineral insulation board (**SOPRAROCK MD PLUS**) and gypsum board. Consult the manufacturer for more information.

Polyisocyanurate insulation boards (**SOPRA-ISO** and **SOPRA-ISO PLUS**) and mineral insulation board (**SOPRAROCK DD PLUS**). Do not adhered extruded and expanded polystyrene boards with hot bitumen.

APPLICATION

MOP APPLIED

SOPRASPHALTE OX TYPE III is spread with mop.

Coat the surface with **SOPRASPHALTE OX TYPE III** at a rate of 1.0 to 1.5 kg/m² (20 to 25 lb/100 ft²). Unroll the roll continuously in the hot bitumen. Apply a pressure to the roll to form a wave of hot bitumen in front of the roll.

At temperatures < 15 °C (59 °F), do not spread more than 1 m (3 ft) of bitumen in front of the roll or board in order to avoid premature cooling. At temperatures > 15 °C (59 °F), up to 3 m (9 ft) of bitumen ahead of the roll or board is acceptable.

SBS Base Sheet Membranes: The minimum temperature for hot bitumen to adhere when it contacts the base sheet membrane is 220 to 230 °C (425 to 450 °F).

Recovery Boards and Mineral Insulation Boards: The minimum temperature for hot bitumen to adhere when it contacts the recovery board or mineral insulation board membrane is 220 to 230 °C (425 to 450 °F).

Polyisocyanurate Insulation Boards: The temperature of the bitumen must be 10 °C (50 °F) below the Equiviscous Temperature [EVT]¹.

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

LIMITATIONS

In kettle, **SOPRASPHALTE OX TYPE III** must never be heated at temperatures above 260 °C (500 °F) otherwise there is a risk of product deterioration. Product must also be continuously in movement in kettle during heating.



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COVERAGE RATE

Per layer	SOPRASPHALTE OX TYPE III
Layer	1.0 to 1.5 kg/m ² (20 to 25 lb/100 ft ²)= 1.2 mm (45 mils)

(All values are nominal)

PACKAGING

Specifications	SOPRASPHALTE OX TYPE III
Type	Oxidized bitumen
Physical state	Liquid
Colour	Black
Specific gravity @ 25 °C (77 °F)	1.03 g/ml (0.04 lb/in ³)
Container	Bulk

(All values are nominal)

PROPERTIES (As per CSA A123.4-04)

Properties	Standards	SOPRASPHALTE OX TYPE II
Softening Point	ASTM D36	90 °C (194 °F) min. / 98 °C (208 °F) max.
Flash Point	ASTM D92	260 °C (500 °F)
Penetration @ 0 °C (32 °F), 200g, 60 sec	ASTM D5	8 dmm min.
Penetration @ 25 °C (77 °F), 100g, 5 sec	ASTM D5	15 dmm min. / 25 dmm max.
Penetration @ 45 °C (113 °F), 50g, 5 sec	ASTM D5	55 dmm max.
Ductility @ 25 °C (77 °F), 5 cm/min	ASTM D113	3 cm (1 ³ / ₁₆ in)
Volatilization 5h, 163 °C (325 °F), Loss in weight	ASTM D6	1%
Residue: Penetration @ 25 °C (77 °F), 100g, 5 sec	ASTM D5	80 % of original
Solubility in trichloroethylene	ASTM D2042	99%
TEV, 125 cP (mopping)	ASTM D4402	Pass
TEV, 75 cP (mechanical)	ASTM D4402	Pass

(All values are nominal)

STORAGE AND HANDLING

SOPRASPHALTE OX TYPE III should be properly protected, sheltered from inclement weather and harmful substances and always stored away from flames and welding sparks.



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