

# SOPRABASE HD



WATERPROOFING  
COMPLEMENTARY PRODUCT

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 160420SCANE

(supersedes -)

## DESCRIPTION

SOPRABASE HD is a high performance support panel composed of SBS modified bitumen membrane with a non-woven polyester reinforcement, factory-laminated on a high density fire-resistant fibreboard (**SOPRAFIBRE**). The surface is covered with a thermofusible plastic film.

## INSTALLATION

### BITUMEN

SOPRABASE HD support panel is installed in a bed of hot bitumen applied with a mop.

### ADHESIVE

SOPRABASE HD support panel is adhered with **DUOTACK** adhesive.

### MECHANICALLY FASTENED

SOPRABASE HD support panel is mechanically fastened to steel deck with **SOPREMA** screws and plates for membranes.

Mechanical fasteners must be installed on the distinctive line of the membrane side selvedge.

On a steel deck, fasteners must be installed on the upper part of the steel ribs. Install boards perpendicular to the ribs.

For more details about the required number of adhesive or mechanical fasteners, consult the Wind Uplift Resistance Testing reports according to Canadian standard CSA A123.21 or publications according to FM 4470 (RoofNav Database) including recommendations for corners and perimeters listed in the PLPDS 1-29 from Factory Mutual.

### DUO SELVEDGE

The first 60% of DUO SELVEDGE is self-adhesive. The remaining 40% surface of the selvedge is sealed with a torch and a round nosed trowel.

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

## PACKAGING

Specifications	SOPRABASE HD
Total thickness (Membrane & board)	14.9 mm (19/32 in)
Reinforcement of the membrane	Non-woven polyester
Dimensions of the board	2.44 x 0.914 m (8 x 3 ft)
Total weight	13.1 kg (28.8 lb)
Selvedge width	90 mm (3.5 in)
Surface	Thermofusible plastic film
Underface	Fire-resistant fibreboard
Units per skid	70

(All values are nominal)



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## PROPERTIES

Properties	Standards	MEMBRANE
Membrane Thickness	-	2.2 mm (86.6 mil)
Breaking Strength, MD/XD	CAN/CGSB-37.56-M, 9th draft	17.0 / 12.5 kN/m
Ultimate Elongation, MD/XD	CAN/CGSB-37.56-M, 9th draft	60 / 65 %
Tear Strength	ASTM D5601	60 N
Cold Bending - Initial - 90 days at 70 °C	CAN/CGSB-37.56-M, 9th draft	-30 °C -30 °C

(All values are nominal)

## PROPERTIES

SOPRABASE HD support panel meets the requirements of ANSI/UL 790 and CAN/ULC-S107 standards.

Properties	Standards	SOPRAFIBRE
Thickness	-	12.7 mm (½ in)
Specific Gravity	ASTM D1037	256 kg/m³ (16 lbs/ft³)
Transverse Strength	ASTM C209	67 N (15 lbs)
Tensile Strength Perpendicular to Surface, min	ASTM C209	36.5 kPa (761 lbs/ft²)
Tensile Strength Parallel to Surface, min	ASTM C209	1.3 MPa (187 lbs/in²)
Water Absorption	ASTM C209	< 6 % of the volume
Linear Expansion	ASTM C209	0.10 %
Compressive Resistance, min (10 % deformation)	ASTM C165	2.4 kg/cm² (34.8 lbs/in²)
Compressive Resistance, min (25 % deformation)	ASTM C165	3.6 kg/cm² (51 lbs/in²)
Thermal Resistance (R-Value/in)	ASTM C518	RSI 0.53 (R-3)

(All values are nominal)

## STORAGE AND HANDLING

SOPRABASE HD support panels must be stored on a flat substrate and sheltered from inclement weather. If the products are stored outdoors, cover them with an opaque protection cover.



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