SOPRASMART ISO HD 180
SANDED

WATERPROOFING ACCESSORY

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 190411SCANE (supersedes 161031SCANE)

DESCRIPTION

SOPRASMART ISO HD 180 SANDED is a high performance base sheet panel composed of SBS modified bitumen membrane with of a non-woven polyester reinforcement, factory-laminated on a high density polyisocyanurate insulation support panel. The surface is sanded.

INSTALLATION

BITUMEN

SOPRASMART ISO HD 180 SANDED panel is intalled in a bed of hot bitumen applied with a mop.

ADHESIVE

SOPRASMART ISO HD 180 SANDED panel is adhered with DUOTACK adhesives.

MECHANICALLY FASTENED

SOPRASMART ISO HD 180 SANDED panel is mechanically fastened to steel deck with SOPREMA screws and plates.
Mechanical fasteners must be installed on the distinctive line of the membrane side selvedge.

On a steel deck, fasteners must be installed on the steel deck top flanges. Install membranes perpendicular to the steel deck 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

Over the entire width of DUO SELVEDGE, 40 % of the surface is self-adhesive. The remaining surface of the selvedge (60 %) is covered by a thermofusible plastic film to seal overlap by heat-welding with a propane torch or with the SOPRAMATIC automatic hot-air welder.

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

PACKAGING

Specifications	SOPRASMART ISO HD 180 SANDED
Total thickness (Membrane & Boards)	14,9 mm ($^{19}/_{32}$ in)
Membrane reinforcement	Non-woven polyester
Support panel dimensions (HD Polyiso)	0.914 x 2.44 m (3 x 8 ft) 0.914 x 4.88 m (3 x 16 ft)
Total weight	4.15 kg/m^2 (0.85 lb/ft^2)
Selvedge width	90 mm (3,5 in)
Surface	Sanded
Underface	Polyisocyanurate HD

(All values are nominal)

TDS_SOPRASMART_ISO_HD_180_SANDED.indd

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

SOPREMA®

NOTE : SOPREMA INC. may modify the composition and/or utilization of its products without prior notice.

SOPRASMART ISO HD 180
SANDED

WATERPROOFING COMPLEMENTARY PRODUCT

APPLICATIONS

ROOFS

TECHNICAL DATA SHEET 190411SCANE (supersedes 161031SCANE)

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 (-22 °F) -30 °C (-22 °F)

(All values are nominal)

Properties	Standards	HD POLYISOCYANURATE SUPPORT PANEL
Board thickness	-	12.7 mm (1/2 in)
Thermal resistance (R-Value) at 24 °C (75 °F)	ASTM C518	RSI 0.44 (R-2.5)
Compressive strength	ASTM D1621	> 689 kPa (90 psi)
Dimensional stability	ASTM D2126	< 0.5 % linear change
Water absorption	ASTM C209	< 3 % volume
Resistance to mold	ASTM D3273	Pass

(All values are nominal)

STORAGE AND HANDLING

SOPRASMART ISO HD 180 SANDED base sheet panels must be stored on a flat substrate and sheltered form inclement weather. If the products are stored outdoors, cover them with an opaque protection cover.

TDS_SOPRASMART_ISO_HD_180_SANDED.indd

SYSTÈME QUALITÉ ISO 9001 QUALITY SYSTEM

SYSTÈME ENVIRONNEMENT ISO 14001 ENVIRONMENT SYSTEM

SOPREMA®

NOTE : SOPREMA INC. may modify the composition and/or utilization of its products without prior notice.