

SOPRANATURE

SOPRABARRIER 20 and 30

TECHNICAL DATA SHEET 190228SCANE

(supersedes 190213SCANE)



VEGETATIVE SOLUTION

APPLICATIONS

ROOFS

PLAZA-DECKS

DESCRIPTION

SOPRABARRIER 20 and SOPRABARRIER 30 are root barriers composed of woven high density polyethylene scrim and provide the protection against roots on SOPRANATURE green roofs, roof gardens and plaza-decks.

INSTALLATION

Directly unroll under SOPRADRAIN drainage board in a conventional roofing assembly and under the insulation boards in a protected membranes roof assembly in order to have a minimum overlap of 305 mm (12 in).

To seal the longitudinal and transversal joints, use a SOPREMA approved tape, making sure the tape is well centered on the joints. It is also possible to seal the SOPRABARRIER 20 and 30 joints with a hot air welder set at 220 °C (428 °F) with a 38 mm (1.5 po) flat tip.

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

PACKAGING

Specifications	SOPRABARRIER 20	SOPRABARRIER 30
Material	High density polyethylene (HDPE)	
Dimensions of the rolls	3.7 x 30.5 m (12 x 100 ft)	3.7 x 30.5 m (12 x 100 ft)
Thickness*	0.50 mm (20 mil)	0.76 mm (30 mil)
Roll weight	50 kg (110 lb)	55 kg (121 lb)

*Other thicknesses available upon request.
(All values are nominal)

PROPERTIES

Properties	Standards	SOPRABARRIER 20	SOPRABARRIER 30
Grab strength, MD/XD	ASTM D775	1 350/1 440 N (303/324 lbf)	2 435/2 375 N (547/534 lbf)
Tongue tear, MD/XD	ASTM D775	315/360 N (71/81 lbf)	355/440 N (80/99 lbf)
Trapezoidal tear, MD/XD	ASTM D775	230/250 N (52/56 lbf)	380/425 N (85/96 lbf)
Puncture resistance	ASTM D4833	715 N (161 lbf)	1 245 N (280 lbf)
Low temperature flexibility @ -30°C (-22 °F)	ASTM D2136	Pass	Pass
Dimensional stability, MD/XD	ASTM D1204	-2.8 / -1.9 %	-1.7 / -1.5 %
Root penetration strength	ANSI/GRHC/SPRI VR-1	Pass	Pass

(All values are nominal)



SOPREMA.US • 1.800.356.3521

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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.

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