

# SOPRANATURE SOPRADRAIN ECO-VENT

TECHNICAL DATA SHEET 181018SCANF

(supersedes 170915SCANF)



VEGETATIVE SOLUTION

APPLICATIONS

ROOFS

PLAZA-DECKS

## DESCRIPTION

**SOPRADRAIN ECO-VENT** is a drainage panel composed of a post-industrial recycled polypropylene drainage core of fused, entangled filaments onto which a fabric made of a non-woven needle-punched polypropylene fibers is factory-laminated. The entangled filaments are moulded into a square waffle pattern that allows flexibility and open vapour diffusion.

**SOPRADRAIN ECO-VENT** is mainly used on **SOPRANATURE** green roofs, roof gardens and plaza-decks. It can also be used on retaining walls, beneath slabs, underground parking and in exterior planters.

## INSTALLATION

Unroll the drainage panel **SOPRADRAIN ECO-VENT** making sure that the 75 mm (3 po) overlapping of the fabric is well done between each drainage panels.

On a protected membrane roof, the drainage panel **SOPRADRAIN ECO-VENT** will be installed on the **SOPRA-XPS** insulation boards.

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

## PACKAGING

Specifications	SOPRADRAIN ECO-VENT
Thickness	10 mm (0.4 in)
Length	30.4 m (100 ft)
Width (Whitout fabric overlap)	122 cm (48 in)
Width of the overlap	76 mm (3 in)
Gross net coverage	37.2 m <sup>2</sup> (400 ft <sup>2</sup> )
Roll diameter	61 cm (24 in)
Weight per roll	25.2 kPa (55.6 lb)

(All values are nominal)



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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.

TDS\_SOPRADRAIN\_ECO\_VENT.indd

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## PROPERTIES

Properties	Standards	SOPRADRAIN ECO-VENT (Drainage core)
Material	-	Recycled polypropylene
Colour	-	Azure blue
Weight	-	576 g/m <sup>2</sup> (17 oz/yd <sup>2</sup> )
Compressive load test*	ASTM D1621 and ASTM D4716	> 1436 kPa (> 30 000 psf)
Properties	Standards	SOPRADRAIN ECO-VENT (Fabric)
Material	-	Non-woven needle-punched polypropylene
Colour	-	Black
Weight	ASTM D5261	152.6 g/m <sup>2</sup> (4.5 oz/yd <sup>2</sup> )
Grab strength	ASTM D4632	534 N (120 lbf)
Grab elongation	ASTM D4632	50 %
Trapezoidal tear	ASTM D4533	233 N (50 lbf)
Puncture Strength	ASTM D4833	1380 N (310 lbf)
Apparent opening size	ASTM D4751	0.212 mm (70 US Sieve)
Flow rate	ASTM D4491	5500 l/min/m <sup>2</sup> (135 gal/min/ft <sup>2</sup> )
Permeability	ASTM D4491	1.7 sec <sup>-1</sup>

(All values are nominal)

\*Failure defined as reaching yield point or no continued measurable flow under stated load.



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