

# SOPRANATURE SOPRADRAIN ECO-VENT

TECHNICAL DATA SHEET 230421SCANE

(supersedes 220901SCANE)



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, 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	30.5 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.

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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 <i>Modified</i>	> 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 D 4716	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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