

SOPRANATURE

SOPRARETENTIO MAT 5 & 8

TECHNICAL DATA SHEET 181018SCANE

(supersedes -)



VEGETATIVE SOLUTION

APPLICATIONS

ROOFS

PLAZA-DECKS

DESCRIPTION

SOPRARETENTIO MAT 5 and SOPRARETENTIO MAT 8 are capillary mats composed of new and recycled, non-woven polyester fibers. They are made for water capture and retention in SOPRANATURE green roofs, roof gardens and plaza-decks.

INSTALLATION

Unroll the capillary mats SOPRARETENTIO MAT 5 or SOPRARETENTIO MAT 8 directly on the surface without overlapping the joints.

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

PACKAGING

Properties	Standards	SOPRARETENTIO MAT 5	SOPRARETENTIO MAT 8
Dimensions	-	1.75 m x 15 m (5.7 ft x 49.2 ft)	1.75 m x 10 m (5.7 ft x 32.8 ft)
Thickness	ASTM D5199	3 mm (118 mil)	5 mm (197 mil)
Weight	ASTM D5261	350 g/m ² (0.07 lb/ft ²)	950 g/m ² (0.19 lb/ft ²)
Tensile strength	ASTM D4632	700 N (157 lbf)	2000 N (450 lbf)
Ultimate elongation	ASTM D4632	Min. 50%	
Static puncture	ASTM D6241	300 N (67 lbf)	900 N (202 lbf)
Capillary rise Slope : 3% Slope : 10% Slope : 15% Slope : 20%	SAGEOS GX No. 12	50 - 100 cm (20 - 39 in) 14 - 40 cm (6 - 16 in) 7 - 30 cm (3 - 12 in) 5 - 25 cm (2 - 10 in)	75 - 140 cm (30 - 55 in) 40 - 90 cm (16 - 35 in) 20 - 65 cm (8 - 26 in) 10 - 50 cm (4 - 20 in)
Water retention capacity	SAGEOS GX No. 10	5 L/m ² (0.12 gal/ft ²)	8 L/m ² (0.19 gal/ft ²)

(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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