

SOPRANATURE SOPRADRAIN ECO-5



VEGETATIVE SOLUTION

APPLICATIONS

ROOFS

PLAZA-DECKS

TECHNICAL DATA SHEET 181003SCANE

(supersedes 080208SCAN2E)

DESCRIPTION

SOPRADRAIN ECO-5 is a drainage panel composed of 60% post-consumer recycled high-density polyethylene (HDPE) dimpled core onto which a fabric made of a non-woven polypropylene fibers is factory-laminated. SOPRADRAIN ECO-5 provide drainage of water for SOPRANATURE green roofs, roof gardens and plaza-decks systems.

INSTALLATION

Unroll the drainage panel SOPRADRAIN ECO-5 directly on the surface making sure that the overlapping of the fabric is well done between each drainage panels.

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

PACKAGING

Specifications	SOPRADRAIN ECO-5
Dimensions	1.83 m x 20 m (6 x 65.6 ft)
Coverage per roll	36.6 m ² (394 ft ²)
Thickness	8 mm (5/16 in)
Weight	1 kg/m ³ (0.2 lb/pi ³)

(All values are nominal)

PROPERTIES

Properties	Standards	SOPRADRAIN ECO 5 (drainage core)
Material	-	60% recycled HDPE
Colour	-	Brown
Compressive Strength	ASTM D 1621	250 kPa (5 200 psf)
Maximum In-Plane Flow Rate	ASTM D 4716 (Hydraulic gradient of 1)	109 L/min•m (8.8 gal/min•ft)
Properties	Standards	SOPRADRAIN ECO 5 (fabric)
Material	-	Non-woven polypropylene
Apparent Opening Size	ASTM D 4751	0.21 mm (70 sieve size)
Water Flow Rate	ASTM D 4491	2460 L/min•m ² (60 gal/min•ft ²)
Grab Tensile	ASTM D 4632	580 N (130 lbf)
Grab Elongation	ASTM D 4632	60 %
Puncture Resistance	ASTM D 4833	182 N (41 lbf)

(All values are nominal)



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