



SOPREMA INC
1640 HAGGERTY
DRUMMONDVILLE, QC.

TECHNICAL DATA SHEET

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SOPRADRAIN ECO-5

Description: *SOPRADRAIN ECO-5* is a drainage panel consisting of a polyethylene core with a factory-laminated geotextile for installation over waterproofing membranes. To provide drainage for most waterproofing applications, including green roofs and rooftop gardens such as *SOPRANATURE*

This product, because it exceeds 60 % post-consumer recycled content, can help contribute up to 2 LEED® credits when used in conjunction with other recycled content products in a LEED® project. *SOPRADRAIN ECO-5* can contribute towards additional LEED® credits when used with a green roof by reducing stormwater runoff (credit 6.1), heat islands (credit 7.2), and energy consumption.

Advantages: **Reduced structural loading:** *SOPRADRAIN ECO-5* weighs less than 1 kg/m² compared to 145 kg/m² for a 10 cm drainage layer of gravel.

Reduced thickness: *SOPRADRAIN ECO-5* is only 8 mm thick compared to 10 cm for gravel drainage, allowing better clearance at doors and a reduction in heights of upstands and curbs.

Recycled content polymer can contribute towards LEED® credits such as MR 4.1 and MR 4.2.

Can contribute to over 9 LEED® credits.*¹

Properties:

Drainage Core	Standards	SOPRADRAIN ECO-5
Roll Dimensions (m)	-	1.83 m x 20 m (6 x 65.6 ft)
Gross Coverage (m ²)	-	36.6 (394 ft ²)
Thickness (mm)	-	8 (0.3 in)
Compressive Strength (kPa)	ASTM D 1621	250 (5200 psf)
Maximum <i>In-Plane</i> Flow Rate (l/min-m)	ASTM D 4716 (Hydraulic gradient of 1)	109 (8.8 gal/min-ft)

(All values are nominal)

Geotextile Properties	Standards	SOPRADRAIN ECO-5
Apparent Opening Size (mm)	ASTM D 4751	0.21
Water Flow Rate (l/min-m ²)	ASTM D 4491	2460 (60 gal/min-ft ²)
Grab Tensile (N)	ASTM D 4632	580 (130 lbf)
Grab Elongation (%)	ASTM D 4632	60
Puncture Resistance (N)	ASTM D 4833	182 (41 lbf)

(All values are nominal)

*¹ For more information on LEED®, visit www.caqbc.org or contact your Soprema representative at 1-877-MAMMOUTH.

1.877.MAMMOUTH
www.soprema.ca

NOTE: SOPREMA INC. may modify the composition and/or utilisation of its products without prior notice. Consequently orders will be filled according to the latest specification.