



SOPREMA INC
1675 HAGGERTY
DRUMMONDVILLE, QC

TECHNICAL DATA SHEET
101209SCAN2E

Cancels & replaces
100315SCAN1E

■ Moncton ■ Quebec ■ Montreal ■ Ottawa ■ Toronto ■ London ■ Winnipeg ■ Saskatoon ■ Edmonton ■ Calgary ■ Vancouver

SOPRAFLOR I

(ONTARIO – QUEBEC – ATLANTIC PROVINCES)

Description: *SOPRAFLOR I* is a growing medium specially formulated for semi-intensive *SOPRANATURE* green roofs and roof garden systems that are irrigated using *AQUAMAT JARDIN*, or overhead irrigation.

Advantages: *SOPRAFLOR I* has a high porous mineral aggregate content of 55 %. This prevents compaction while providing a high air-filled porosity and a great plant anchorage.

Properties:

Properties	Standards	SOPRAFLOR I
Vegetation		Wild flower meadows, perennials, grass, annuals, and small shrubs.
Water Requirements		Medium
Composition		Expanded shale, sand, vegetable compost, perlite and blond peat.
Maximum Media Water Retention, MMWR (volume %)	ASTM E2399-05	55 - 65
Water Permeability measured at the Maximum Media Density, KMMD (cm/s)	ASTM E2399-05	0.0056
Initial Media Density, Di (kg/m ³)	ASTM E2399-05	700 - 800
Maximum Media Density, MMD (kg/m ³)	ASTM E2399-05	1150 - 1250
Dry Media Density, Ddry (kg/m ³)	ASTM E2399-05	550 - 650
Organic Matter (%)		15 - 25
Dry Matter (%)		50 - 60
pH		5 - 6
Nitrogen, N-NO ₃ (ppm*)	SSE	55 - 65
Calcium, Ca (ppm*)	SSE	100 - 110
Magnesium, Mg (ppm*)	SSE	30 - 40
Phosphorus, P (ppm*)	SSE	1 - 10
Potassium, K (ppm*)	SSE	100 - 200
Copper, Cu (ppm*)	SSE	0.01 - 0.10
Iron, Fe (ppm*)	SSE	0.40 - 0.50
Manganese, Mn (ppm*)	SSE	0.10 - 0.20
Zinc, Zn (ppm*)	SSE	0.01 - 0.10
Sodium, Na (ppm*)	SSE	75 - 85
Sulfate, SO ₄ (ppm*)	SSE	400 - 410
Electrical conductivity (mmhos/cm)	SSE	1 - 2
Carbon / Nitrogen, C/N Ratio	-	30 - 40
Volumetric Water Retention (%)		55 - 65
Air-Filled Porosity (%)		5 - 15
Total Porosity (%)		65 - 75

Properties:

Properties	Standards	SOPRAFLOR I
Bulk Density: damp (kg/m ³)		500 - 600
Bulk Density: weight at field capacity (kg/m ³)		1000 - 1100
Bulk Density: at saturation (kg/m ³)		1100 -1200
Mineral Aggregates (Volume %)		50 - 60

(All values are nominal)

* Which can be assimilated by plant, SSE analysis method.

Packaging: *SOPRAFLOR I* is available in 25-litre bags, 1.9 cubic meter bags, or bulk.

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.