



# SOPRAFLO L

(ONTARIO – QUEBEC – ATLANTIC PROVINCES)

**Description:** *SOPRAFLO L* is a lightweight growing medium intended for use on *SOPRANATURE* green roofs and roof garden systems requiring high moisture levels and should always be used with *AQUAMAT JARDIN* capillary mat, which includes a micro-irrigation system.

**Advantages:** *SOPRAFLO L* provides effective capillary water rise for soil depths up to 200 mm (8 in). Its reduced weight allows the installation of green roofs on buildings with limited structural capacity. This growing medium provides constant and even water supply to the plants while maintaining optimal air porosity, dramatically reducing plant water stress, resulting in accelerated growth and a strong root system.

## Properties:

Properties	Standards	SOPRAFLO L
Vegetation		Wild flower meadows, perennials, annuals, grass and small shrubs.
Water Requirements		High
Composition		Composted bark, vegetable compost, perlite and blond peat.
Maximum Media Water Retention, MMWR (volume %)	ASTM E2399-05	75 - 85
Water Permeability measured at the Maximum Media Density, KMMD (cm/s)	ASTM E2399-05	0.0174
Initial Media Density, Di (kg/m <sup>3</sup> )	ASTM E2399-05	750 - 850
Maximum Media Density, MMD (kg/m <sup>3</sup> )	ASTM E2399-05	1000 - 1100
Dry Media Density, Ddry (kg/m <sup>3</sup> )	ASTM E2399-05	200 - 300
Organic Matter (%)		55 - 65
Dry Matter (%)		25 - 35
pH		6 - 7
Nitrogen, N-NO <sub>3</sub> (ppm*)	SSE	10 - 20
Calcium, Ca (ppm*)	SSE	30 - 40
Magnesium, Mg (ppm*)	SSE	15 - 25
Phosphorus, P (ppm*)	SSE	1 - 10
Potassium, K (ppm*)	SSE	65 - 75
Copper, Cu (ppm*)	SSE	0.01 - 0.10
Iron, Fe (ppm*)	SSE	0.20 - 0.30
Manganese, Mn (ppm*)	SSE	0.01 - 0.10
Zinc, Zn (ppm*)	SSE	0.01 - 0.10
Sodium, Na (ppm*)	SSE	70 - 80
Sulfate, SO <sub>4</sub> (ppm*)	SSE	475 - 485
Electrical conductivity (mmhos/cm)	SSE	0.5 – 1
Carbon / Nitrogen, C/N Ratio	-	25 - 35
Volumetric Water Retention (%)		50 - 60
Air-Filled Porosity (%)		20 - 30
Total Porosity (%)		75 - 85

## Properties:

Properties	Standards	SOPRAFLOR L
Bulk Density: damp (kg/m <sup>3</sup> )		200 - 300
Bulk Density: weight at field capacity (kg/m <sup>3</sup> )		650 - 750
Bulk Density: at saturation (kg/m <sup>3</sup> )		850 - 950
Mineral Aggregates (Volume %)		25 - 35

(All values are nominal)

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

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

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1.877.MAMMOUTH  
[www.soprema.ca](http://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.

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