

SOPRAFLO L (BRITISH COLUMBIA)

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	65 - 75
Water Permeability measured at the Maximum Media Density, KMMD (cm/s)	ASTM E2399-05	0.0093
Initial Media Density, Di (kg/m ³)	ASTM E2399-05	450 - 550
Maximum Media Density, MMD (kg/m ³)	ASTM E2399-05	850 - 950
Dry Media Density, Ddry (kg/m ³)	ASTM E2399-05	200 - 300
Organic Matter (%)	-	60 - 70
Dry Matter (%)	-	40 - 50
pH	-	4.50 - 5.50
Nitrogen, N-NO ₃ (ppm*)	SSE	1 - 10
Calcium, Ca (ppm*)	SSE	15 - 25
Magnesium, Mg (ppm*)	SSE	1 - 10
Phosphorus, P (ppm*)	SSE	1 - 10
Potassium, K (ppm*)	SSE	70 - 80
Copper, Cu (ppm*)	SSE	0.01 - 0.10
Iron, Fe (ppm*)	SSE	0.60 - 0.70
Manganese, Mn (ppm*)	SSE	0.10 - 0.20
Zinc, Zn (ppm*)	SSE	0.01 - 0.10
Sodium, Na (ppm*)	SSE	40 - 50
Sulfate, SO ₄ (ppm*)	SSE	15 - 25
Electrical conductivity (mmhos/cm)	SSE	0.6 - 0.7
Carbon / Nitrogen, C/N Ratio	-	70 - 80

(All values are nominal)

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

Packaging: *SOPRAFLO L* is available in 25-litre bags, 1 cubic yard bags, or bulk.

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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.