



SOPREMA INC
1675 HAGGERTY
DRUMMONDVILLE, QC

TECHNICAL DATA SHEET
101209SCAN1E

Cancels & replaces
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SOPRAFLOX X (ONTARIO – QUEBEC – ATLANTIC PROVINCES)

Description: *SOPRAFLOX X* is a growing medium specially formulated for extensive, non-irrigated and low maintenance *SOPRANATURE* green roof systems.

Advantages: *SOPRAFLOX X* has a high porous mineral aggregate content of 70 %. This prevents compaction while providing a high air-filled porosity and a great plant anchorage.

Properties:

Properties	Standards	SOPRAFLOX X
Vegetation		Sedums, dry prairie grass, dry flower meadows, perennials, and small shrubs.
Water Requirements		Low
Composition		Expanded shale, sand, vegetable compost, perlite and blond peat.
Maximum Media Water Retention, MMWR (volume %)	ASTM E2399-05	45 - 55
Water Permeability measured at the Maximum Media Density, KMMD (cm/s)	ASTM E2399-05	0.0022
Initial Media Density, Di (kg/m ³)	ASTM E2399-05	1250 - 1350
Maximum Media Density, MMD (kg/m ³)	ASTM E2399-05	1350 - 1450
Dry Media Density, Ddry (kg/m ³)	ASTM E2399-05	850 - 950
Organic Matter (%)		5 - 10
Dry Matter (%)		60 - 70
pH		7 - 8
Nitrogen, N-NO ₃ (ppm*)	SSE	115 - 125
Calcium, Ca (ppm*)	SSE	100 - 120
Magnesium, Mg (ppm*)	SSE	35 - 45
Phosphorus, P (ppm*)	SSE	1 - 10
Potassium, K (ppm*)	SSE	210 - 220
Copper, Cu (ppm*)	SSE	0.01 - 0.10
Iron, Fe (ppm*)	SSE	0.40 - 0.50
Manganese, Mn (ppm*)	SSE	0.01 - 0.10
Zinc, Zn (ppm*)	SSE	0.01 - 0.10
Sodium, Na (ppm*)	SSE	90 - 100
Sulfate, SO ₄ (ppm*)	SSE	415 - 425
Electrical conductivity (mmhos/cm)	SSE	1 - 2
Carbon / Nitrogen, C/N Ratio	-	10 - 20
Volumetric Water Retention (%)		40 - 50
Air-Filled Porosity (%)		10 - 20
Total Porosity (%)		50 - 60

Properties:

Properties	Standards	SOPRAFLOR X
Bulk Density: damp (kg/m ³)		700 - 800
Bulk Density: weight at field capacity (kg/m ³)		1100 - 1200
Bulk Density: at saturation (kg/m ³)		1200 - 1300
Mineral Aggregates (Volume %)		65 - 75

(All values are nominal)

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

Packaging: *SOPRAFLOR X* 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.