

SOPRAFLOR X

SOPRAFLOR I

SOPRAFLOR L

Description:

SOPRAFLOR X is a growing medium specially formulated for extensive, non-irrigated and low maintenance green roofs.

SOPRAFLOR I is a growing medium specially formulated for semi-intensive green roofs and roof gardens that are irrigated using AQUAMAT JARDIN, or using sprayer or rotor type irrigation systems.

SOPRAFLOR L is a lightweight growing medium intended for use on green roofs and roof gardens requiring high moisture levels and must always be used with AQUAMAT JARDIN capillary mat, which includes a micro-irrigation system.

Advantages:

SOPRAFLOR X and SOPRAFLOR I have a high porous mineral aggregate content of 70% and 55%, respectively. This prevents compaction while providing a high air-filled porosity and a great plant anchorage. Their recycled material content are 68% and 60%.

SOPRAFLOR 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: (All values are nominal)

Properties	SOPRAFLOR X	SOPRAFLOR I	SOPRAFLOR L
Vegetation	Sedums, dry prairie grass, dry flower meadows, perennials, and small shrubs.	Wild flower meadows, perennials, grass, annuals, and small shrubs.	Wild flower meadows, perennials, annuals, grass and small shrubs.
Water Requirements	Low	Medium	High
Composition	Crushed brick, blond peat, perlite, sand and compost from vegetable matter.	Crushed brick, blond peat, perlite, sand and compost from vegetable matter.	Bark compost, perlite, blond peat, and compost from vegetable matter.
Volumetric Water Retention (%)	30 - 40	40-50	60 - 70
Air-Filled Porosity (%)	20 - 30	20 -25	25 - 35
Total Porosity (%)	60 - 70	65-75	85 - 90
Bulk Density: Damp (kg/m ³)	950 - 1050	750 - 850	400 - 450
Bulk Density: Compacted, Wetted and Drained (kg/m ³)	1150 - 1250	1000-1100	800 - 850
Organic Matter, Dry Base (%)	5 - 10	10-15	50 - 60
pH	6.0 – 7.0	6.0 - 6.5	6.0 - 6.5
Recycled Content (Weight %)	68	60	74
Mineral Aggregates (Volume %)	70	55	30