

SOPRANATURE®

SOPRAFLOR X & I



APPLICATIONS

VEGETATED SOLUTIONS

PRODUCT DATA SHEET PD10426 - REV.027921

DESCRIPTION:

SOPRAFLOR X is a growing medium formulated according to the requirements and criteria of the German FLL guideline for extensive non-irrigated and low-maintenance SOPRANATURE systems.

SOPRAFLOR I is a growing medium formulated according to the requirements and criteria of the German FLL guideline for intensive and semi-intensive SOPRANATURE green roofs and plaza deck/roof gardens.

STORAGE & HANDLING:

Media should be stored in a dry place, out of direct exposure to the elements. Media should be handled in such a manner as to ensure that it remains dry prior to installation.

APPLICATION:

Lay the SOPRAFLOR X or I growing substrate and incorporate enrichment products if required. Spread the substrate evenly with a rake, water it until saturated, and compact it with a 250 lb to 270 lb lawn roller half-filled with water.

FOR MORE INFORMATION ON THE APPLICATION OF THESE PRODUCTS, PLEASE CONSULT A SOPREMA REPRESENTATIVE.

PROPERTIES:

PROPERTIES	SPORAFLOR X	SPORAFLOR I
Vegetation	Sedums, dry prairie grasses, dry flower meadows, and vegetation with low water needs	Wild flower meadows, grasses, perennials, annuals, small shrubs and vegetation with medium to high water needs
Composition	Mineral aggregates, professional peat, sand and compost from vegetable matter	
Water Retention (Volumetric), %	30 to 40	40 to 50
Air Porosity, %	20 to 30	20 to 25
Total Porosity, %	60 to 70	65 to 75
Bulk Density (Dry), lb/ft ³ (kg/m ³)	42 to 68 lb/ft ³ (675 to 1,100 kg/m ³)	37 to 62 lb/ft ³ (600 to 1,000 kg/m ³)
Bulk Density (Initial), lb/ft ³ (kg/m ³)	59 to 65 lb/ft ³ (950 to 1,050 kg/m ³)	47 to 53 lb/ft ³ (750 to 850 kg/m ³)
Bulk Density (Saturated), lb/ft ³ (kg/m ³)	72 to 78 lb/ft ³ (1,150 to 1,250 kg/m ³)	62 to 69 lb/ft ³ (1,000 to 1,100 kg/m ³)
Organic Matter (Dry), %	5 to 10	10 to 15
pH	6.0 to 7.0	6.0 to 6.5
Mineral Aggregate Content (Volume), %	70	55