

# SOPRANATURE<sup>®</sup> SOPRAFLOR X & I

Engineered Growing Media



APPLICATIONS

VEGETATED

PRODUCT DATA SHEET PDS10426 - REV 230606

## PRODUCT NUMBERS:

Contact customer service for ordering information.

## DESCRIPTION & FEATURES:

**SOPRANATURE SOPRAFLOR** is a growing medium formulated for extensive non-irrigated and low-maintenance SOPRANATURE systems. **SOPRANATURE SOPRAFLOR** has a high percentage (70%) of mineral aggregates. This prevents the substrate from compacting in the long term, while improving air porosity and plant anchoring.

**SOPRANATURE SOPRAFLOR I** is a growing medium formulated for intensive and semi-intensive SOPRANATURE green roofs and plaza deck/roof gardens.

**SOPRANATURE SOPRAFLOR X** has a high percentage (55%) of mineral aggregates. This prevents the substrate from compacting in the long term, while improving air porosity and plant anchoring.

## 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.

Refer to SOPREMA's published technical literature for additional details and application requirements.

## STORAGE:

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.

## WARRANTY:

For more information refer to [www.SOPREMA.us](http://www.SOPREMA.us) or contact your SOPREMA representative.

## TECHNICAL INFORMATION & TESTING:

PHYSICAL PROPERTIES		
PROPERTY	SOPRAFLOR X	SOPRAFLOR I
<b>Vegetation</b>	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.
<b>Composition</b>	Mineral aggregates, professional peat, sand and compost from vegetable matter.	
<b>Total pore volume, %</b>	60 - 70	65 - 75
<b>Air-filled porosity, %</b>	20 - 30	20 - 25
<b>Maximum water capacity, %</b>	30 - 40	40 - 50
<b>Bulk density - dry, lb/ft<sup>3</sup> (kg/m<sup>3</sup>)</b>	42 - 68 (675 - 1,100)	37 - 62 (600 - 1,000)
<b>Bulk density - initial, lb/ft<sup>3</sup> (kg/m<sup>3</sup>)</b>	59 - 65 (950 - 1,050)	47 - 53 (750 - 850)
<b>Bulk density - field capacity, lb/ft<sup>3</sup> (kg/m<sup>3</sup>)</b>	72 - 78 (1,150 - 1,250)	62 - 69 (1,000 - 1,100)
<b>Organic matter content, %</b>	5 - 10	10 - 15
<b>pH</b>	6.0 - 7.0	6.0 - 6.5
<b>Mineral aggregate content, %</b>	70	55