PRODUCT DATA SHEET

PDS-543
Rev 08/11

SOPREMA INTENSIVE GREEN ROOF MEDIA

INTENSIVE GREEN ROOF MEDIA

Order No. *

DESCRIPTION & APPLICATION

Soprema Intensive Green Roof Media is an engineered growing media specifically designed for green roof applications. It is extremely light-weight and will aid in minimizing roof loads. Additionally, its low compaction rate and resistance to frost and fire balances water retention and the need to drain excessive water from the system. The roof media is a vital element of any green roof system and must be adjusted for regional conditions.

The Soprema Intensive Green Roof Media complies with all related ASTM and German FLL standards.

TECHNICAL DATA

	Units	Intensive Media	FLL* Guideline M.C. Extensive	Test Method
Particle size less than 0.063 mm	Mass %	10.7	≤ 20	ASTM D-422-63
Bulk Density (dry weight)	g/cm^3 (pcf)	.072 (44.8)	-	ASTM E-2397-05
Bulk Density (at max. water capacity)	g/cm^3 (pcf)	1.20 (75.7)	-	ASTM E-2397-05
Total Pore Volume	Mass %	60.1	-	ASTM C-29
Maximum Water Capacity	% Volume	49.5	≥ 45	ASTM E-2399-05
Air-Filled Porosity (max. water capacity)	% Volume	10.6	≥ 10	ASTM E-2396-05
Permeability	cm/s (in/min)	0.03 (0.615)	≥ 0.0005 (0.012)	**
PH (water)		8.0	5.5 - 8.0	**
Soluble Salts (1:2 soil:water ratio)	mmhos/cm (g/l)	0.87 (1.3)	- (≤ 2.5)	**
Organic Matter	Mass %	6.4	≤ 12	ASTM E-2974-87
Phosphorus	mg/l	193	≤ 200	**
Potassium	mg/l	698	≤ 700	**
Magnesium	mg/l	477	≤ 160	**
Nitrate and Ammonium	mg/l	103	≤ 80	**
Calcium	mg/l	2511	-	**

* FLL REFERS TO “Guidelines for the Planning, Execution and Upkeep of Green-Roof Sites, release 2002”, Published by FLL, Bonn, Germany
** Methods of Soil Analysis, Pt. 3 Chemical Analysis, SSA Book Series 4, Soil Science of American Society

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.

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