

OPTIGRÜN L

Low Density Substrate

Optigrün Low Density Substrate L for lightweight constructions is used as a drainable vegetation substrate for extensive green roofs that have low load reserves (lightweight roof constructions) and as a lightweight substrate base in tall planters and planting beds.



Material	Pumice
Weight when dry (compacted)	approx. 390-410 kg/m ³
Weight delivered wet	approx. 650-670 kg/m ³
Weight when saturated (compacted)	approx. 780-820 kg/m ³
Max. water capacity	39 Vol%
pH value	7.5
Salt content	0.1 g/l
Water permeability	< 450 mm/min
Compaction factor	1.15
Organic substances	3.0 mass%
Total pore volume	86 Vol%
Delivery form	- Loose bulk on an open truck - Blown into silo truck - In big bags on an open truck - In sacks on euro pallets by forwarding agent
Quantity/delivered unit	according to size of order

Area of use

- Drainable vegetation substrate for extensive green roofs with very few load reserves (especially for redeveloped buildings or lightweight roof structures)
- As a lightweight substrate base in tall planting beds indoors

Specific properties

- Fulfils the requirements of the FLL Green Roofing Guideline
- More precise information about the weight is to be requested from Optigrün based on the region of the construction scheme
- Very susceptible to wind erosion, therefore use only in conjunction with vegetation mats, e.g. type SM/G
- Has a European Technical Assessment (ETA-13/0557) as part of the Optigrün system solutions



The preceding details are guideline values established under laboratory conditions. These values are subject to a certain manufacturing tolerance. The data contained in this product information sheet represents Optigrün's technical knowledge at the time of publication. Optigrün reserves the right to change and update details in accordance with new insights and to modify specified properties accordingly. No liability accepted for misprints.

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