

OPTIGREEN M

Extensive Single Layer Substrate

Optigreen Extensive Single Layer Substrate M is used as combined drainage and vegetation base layer for extensive single-layer green roofs, on roof areas with low load reserves.



Material (main components)	expanded shale, expanded clay, lava, pumice, crushed brick, Porlith and green waste compost. With a variable composition depending on the region.
Weight when dry (compacted)	min. 670 kg/m ³ (light version) min. 920 kg/m ³ (heavy version)
Weight when saturated (compacted)	900-1,260 kg/m ³ (light version) 1,180-1,490 kg/m ³ (heavy version)
Max. water capacity	≥ 20 Vol%
pH value	6.0 - 8.5
Salt content	≤ 3.5 g/l
Water permeability	≥ 60 mm/min
Compaction factor	1.15
Organic substances	< 40 g/l
Total pore volume	> 60 - 70 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

Vegetation base layer for extensive single layer green roofs.

Specific properties

- Fulfills the requirements of the FLL Green Roofing Guideline
- More precise information about the weight is to be requested from Optigreen based on the region of the construction scheme

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 Optigreen's technical knowledge at the time of publication. Optigreen 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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