

OPTIGREEN E

Extensive Multi Layer Substrate

Optigreen Extensive Multi Layer Substrate E is used as a vegetation base layer for extensive multi layer green roofs and in the pitched roof area, on roof areas with low load bearing capacity, structurally stabilised and suitable for wide range of plants.



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. 750 kg/m ³ (light version) min. 1,000 kg/m ³ (heavy version)
Weight when saturated (compacted)	1,140-1,440 kg/m ³ (light version) 1,320-1,680 kg/m ³ (heavy version)
Max. water capacity	≥ 35 Vol%
pH value	6.0 - 8.5
Salt content	≤ 3.5 g/l
Water permeability	≥ 0.6 mm/min
Compaction factor	1.2
Organic substances	< 65 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 multi layer green roofs and in the pitched roof area < 5° roof pitch.

Specific properties

- Fulfils 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.

Optigrün international AG

Am Birkenstock 15 – 19,
72505 Krauchenwies-Göggingen
Tel. +49 7576 772-0, Fax +49 7576 772-299, info@optigruen.de

Optigreen Limited (Service UK only)

Suite G5 Albany Chambers, 26 Bridge Road East
Welwyn Garden City (Herts), AL7 1HL
Phone +44 203 5899400, Fax +44 207 1171664, info@optigreen.co.uk

