

# Data Sheet



## Extensive Multi-Layer Substrate Type E

Vegetation substrate for extensive green roofs with a multi-layer build-up on inclines from 0° to 5° and for single layer build-ups on roof inclines > 5°

### Technical details and properties:

#### **Main components**

Expanded shale, expanded clay, lava, pumice, crushed brick, Porlith and green waste compost in different compositions depending on the region



#### Specific properties:

Max. moisture capacity:	$\geq 35$ % by vol.
pH value:	6.0 – 8.5
Salt content:	$\leq 3.5$ g/L
Water permeability:	$\geq 0.6$ mm/min
Compaction factor:	1,2
organic substances:	< 65 g/l
Total pore volume:	> 60 – 70 % by vol.

#### Compacted weight:

Lightweight variant:	Dry:	Min. 750 kg/m <sup>3</sup>
	Saturated:	1140-1440 kg/m <sup>3</sup>
Heavy variant:	Dry:	Min. 1000 kg/m <sup>3</sup>
	Saturated:	1320-1680 kg/m <sup>3</sup>

Please contact Optigreen for precise details on weight in relation to the site location

#### **Meets the requirements of the FLL Directive for green roofs**

#### Delivery form:

- Loose bulk in an open truck
- Blown on from a tank truck
- In Big Bags on an open truck
- In sacks on Euro-pallets delivered by transport company

Quantity per delivery unit: - As required

#### Area of use:

Vegetation support layer for extensive green roofs with a multi-layer build-up and on roof inclines > 5°

#### Storage:

Dry; protect goods in sacks and Big Bags from sunlight

*The above mentioned values are guidelines only, obtained in in-house laboratory or official test laboratories. These values have a certain production tolerance and variation due to manufacture and correspond to Optigreen's technical knowledge at the time they were published. It is Optigreen's prerogative to amend and/or modify these values when additional knowledge is obtained, as well as to introduce modifications of the features. Technical changes and misprints remain reserving.*