

Data Sheet



Intensive Substrate Type i

Vegetation substrate for intensive green roofs with a multi-layer build-up on inclines of 0° to 5°



Technical details and properties:

Main components:

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

Specific properties:

Max. moisture capacity:	>= 45 % by vol.
pH value:	6.0 – 8.5
Salt content:	<= 2.5 g/l
Water permeability:	>= 0.3 mm/min
Compaction factor:	1,3
organic substances:	< 90 g/l
Total pore volume:	> 60 – 75 % by vol.

Compacted weight:

Lightweight variant:	Dry:	Min. 830 kg/m ³
	Saturated:	1300-1480 kg/m ³
Heavy variant:	Dry:	Min. 1000 kg/m ³
	Saturated:	1490-1560 kg/m ³

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

Note: In some cases the intensive substrates provided by suppliers can be suitable for lawn surfaces due to the inclusion of locally available aggregate materials
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 intensive green roofs with a multi-layer build-up
- For filling planters in external areas

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.