

PRODUCT NAME: Intensiv

Product description: Intensive substrate



Intensiv substrate is a growing medium for plants, it is suitable for intensive green roofs planted with E-biogazon or E-Biodivers mats. Also, depending on the thickness of the substrate, it can be used for growing larger plants such as shrubs and tall trees (up to 12 m). The substrate consists of a mix of mineralised volcanic rock with a spongy texture and organic material. It is a growing medium that provides the necessary nutrients for plants, allows strong rooting and healthy plant growth; it has good drainage, yet high water retention capacity. It can be used to ensure balanced and long-lasting vegetation on the green roof. Due to its composition, ensures root aeration as well as good water permeability and a stable structure. The substrate is adapted to the needs of the vegetation and is produced in accordance with the FLL directive (German green roof standards).

ADVANTAGES

- The lightweight structure allows intensive green terraces to be installed on roof constructions.
- Ensures adequate pH for healthy plant growth.
- Improves nutrient intake, growth and plant health.

PACKING

- Batch sizes: large bags of approx. 1.4 tonnes. 1.75 m³ (big bag) / 40 litre bags / silo / bulk

PROPERTIES

- Reduces temperature fluctuations, has heat attenuation capacity.
- Has water retention enhancing capacity, while being breathable.
- Retains its stable structure and does not compact significantly over the years.

INSTALLATION

- Should be laid in a uniform layer of 20+ cm (intensive substrate for planting trees can be up to 150 cm thick) over the filter geotextile, or over special water retention layers.

TECHNICAL DATA SHEET

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Technical data		Unit	Tolerance	Standard
Material	unbound mineral aggregate and organic material			FLL
Dry bulk density	800	kg/m ³		
Saturated bulk density	1300	kg/m ³		
Grain size classification	0-10 Fraction below d < 0.063mm: max. 15% of total vol. Fraction between 3-10 mm: min 75% of total vol. Fraction above >10 mm: min 10% of total vol.)	mm		
Batch sizes	big bags / tonne bags / silo			

The data are empirical values based on the current state of production and are subject to customary tolerances, but do not represent guaranteed properties. We reserve the right to make technical changes.

Last update:
12.03.2024.