

PRODUCT CARD

GREENFOND

SDE E-E Extensive substrate

GREENFOND SDE E-E is a mineral substrate intended as a vegetation layer on green roofs for extensive vegetation

Extensive roofing substrate GREENFOND SDE E-E is a specialized mineral-organic soil substrate for cultivating an extensive flat green roof in a multi-layer system - in system solutions with drainage mats and with aggregate drainage. The GREENFOND SDE E-E roof substrate is also used for a pitched green roof in a single-layer system.

The GREENFOND SDE E-E extensive green roof substrate provides stable conditions for rooting and development for plants with low habitat requirements such as mosses, herbs, dry-grass, perennials in the form of seeds, shoots, cuttings, vegetation mats. The GREENFOND SDE E-E roof substrate also prevents the growth of weeds on the green roof.

BASIC COMPOSITION:

rinsed sand, rinsed gravel, limestone grit, crushed brick, ash-like aggregate or fine broken keramzyt, low peat, compost

USAGE:

- vegetation layer for planting on a flat roof 0 - 5 ° (inverted and insulated roof, floor slabs above garages, terraces and the last storey)
 - roof substrate for stonecrops, cornices, grasses, herbs and perennials
 - a thickness of 6 cm to 20 cm is recommended
- Extensive roofing substrate in systemic and non-systematic solutions
- ways of storage and installation on a construction site in accordance with the manufacturer's recommendations



ADMISSION TO TRADING:

Decision P.-271/12 of the Minister of Agriculture and Rural Development accordance with the Act of 10 July 2007 on fertilizers and fertilization (Dz.U.Nr poz.1033 147).

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RECOMMENDATIONS FOR APPLICATION:

SUPPLY:

The substrate must be provided to a construction site in covered bulk containers or in Big-Bags. Substrate should not be supplied in conditions of excessive water saturation or freezing. Do not deliver the substrate in direct contact with other materials that may change its physical or chemical properties.

STORAGE:

After delivery to the construction site, the substrate should be stored in a prepared, cleaned and free of rainwater area, i.e. on a hardened ground or in a place which protects the substrate from contamination, e.g. on sand or geotextile. If longer storage is required at the construction site, the substrate should be protected against contamination, weed infestation, washing, erosion and excessive moisture.

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PHYSICAL PROPERTIES*

Granulometric composition:	
fractions below 0.05 mm	max. 5% by weight
0.05 mm 2 fractions	max. 60% by weight
fractions 2 40 mm	min. 35% by weight
Content of absorbent aggregates	approx. 50%
The content of organic ingredients	up to 60kg/m ³
Compactability (wear factor)	approx. 15%
Settling after compaction	less than 5%
Bulk weight in dry condition	about 1200 kg/m ³
Weight in the state of max. water saturation	1500-1700 kg/m ³
General porosity	approx. 40%
Water capacity	approx. 40%
Air capacity	approx. 10%
Water flow speed	approx. 6 mm/min
The content of other substances	less than 0.5% by weight <i>(aggregates other than those mentioned, oversize aggregates, etc.)</i>

CHEMICAL PARAMETERS **

The pH is H ₂ O	6,5-8,5
Salinity [KCL / l]	less than 1,5 g/l
Nitrogen (N)	less than 80 mg/l
Phosphorus (P)	less than 200 mg/l
Potassium (K)	less than 700 mg/l
Magnesium (Mg)	less than 160 mg/l

PRODUCT SPECIFICATIONS:

The size of the bag	Big-Bag 1m ³
Article number	30.1201

(*) Own research in accordance with the FLL green roofs planning, construction and care guidelines.

Guidelines for the Planning Construction and Maintenance of Green Roofing, FLL. ed. , 2008.

(**) Average values obtained during standard laboratory tests performed by the Chemical and Agricultural District Station in Warsaw.