

PRODUCT CARD

# GREENFOND SDT-T lawn substrate

GREENFOND SDT-T is a specialized mineral-organic soil substrate for growing lawns by sowing on intensive roofs

Intensive lawn substrate GREENFOND SDT-T is a specialized mineral-organic soil substrate for growing lawns by sowing on intensive roofs in multilayer systems using drainage in the form of plastic mats. Thanks to the use of fine-grained aggregates, the GREENFOND SDT-T lawn substrate facilitates the maintenance of lawns after sowing, while the optimal content of organic GREENFOND SDT-T substrates ensures their stable vegetation on the green roof.

**BASIC COMPOSITION:**

rinsed sand, mineral aggregate, compost.

**APPLICATION:**

- vegetation layer for the sowing lawn on flat roofs 0 - 5 °  
(inverted and insulated roofs,  
floor slabs above garages and terraces)
- in the case of planting acidophilic plants  
the program should be individually adapted  
as far as fertilizing and acidifying is concerned
- recommended thickness of min. 15 cm  
For thicknesses above 35 cm we recommend  
to use inorganic substrate e.g.  
GREENFOND PW subsoil  
under GREENFOND SDT-T substrate.



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## RECOMMENDATIONS FOR APPLICATION:

### SUPPLY:

The substrate must be delivered 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 0,065 mm	max. 10 % by weight
Content of absorbent aggregates	about 5%
The content of organic ingredients	up to 350 kg / m <sup>3</sup>
Compactability (wear factor)	approx. 15%
Settling after compaction	less than 6 %
Bulk weight in dry condition	about 1200 kg / m <sup>3</sup>
Weight in the state of max. water saturation	1500-1700 kg / m <sup>3</sup>
General porosity	approx. 40%
Water capacity	approx. 45 %
Air capacity	about 10%
Water flow speed	approx. 5 mm / min
The content of other substances	less than 0.5% by weight <small>(aggregates other than those mentioned, oversize aggregates, etc.)</small>

CHEMICAL PARAMETERS **	
The pH is H <sub>2</sub> O	5,0-7,0
Salinity [KCL / l]	below 1,0 g/l
Nitrogen (N)	less than 80 mg/l

PRODUCT SPECIFICATIONS:	
The size of the bag	Big-Bag 1m <sup>3</sup>
Article number	30.1203

(\*) 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.