GREENFOND
FOR OUR FUTURE

PRODUCT CARD

# GREENFOND

# SW-E extensive volcanic substrate

GREENFOND SW-E volcanic substrate intended as a vegetation layer on green roofs for extensive vegetation

GREENFOND SW-E is characterized by high water absorption, good drainage abilities
Settlement coefficient compliant with FLL standards.

INTENDED USE:
Use on green roofs as a growing medium for plants.

COMPOSITION:
Absorbent aggregate, volcanic aggregate, compost, low peat

FEATURES:
- maximum water capacity - over 45%
- content of fractions below 0.063 mm is 5%
- air capacity at maximum water capacity> 10%
- general porosity> 60%
- organic matter content about 10%
- pH - 6,0-7,5
- salt concentration - below 1.0 NaCl g / dm3
- water permeability> 0.5 mm / min
- compaction factor approx. 1.2

APPLICATION:
Medium-demanding vegetation,
perennials, xerophytes

THICKNESS:
- over 10 cm



* Data based on research carried out by the Institute of Cultivation of Fertilization and Soil Science in Puławy and the Institute of Horticulture in Sierniewice .

Physical quality and the stability of the composition is under warranty for 36 months provided the storage and use of the substrate is applied in accordance with the guidelines of the DAFA and FLL Association.

GREENFOND POLSKA Sp. z o.o.
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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 0.063 mm | max. 5% masy |
| Content of absorbent aggregates | approx. 50% |
| The content of organic ingredients | up to 60kg/m3 |
| Compactability (wear factor) | approx. 15% |
| Settling after compaction | less than 6% |
| Bulk weight in dry condition | 850-950 kg/$^3$ |
| Weight in the state of max. Water saturation | 1400-1500 kg/m$^3$ |
| General porosity | approx.60 % |
| Water capacity | approx. 40% |
| Air capacity | approx. 10% |
| Water flow speed | about 0,5 mm/min |
| The content of other substances | less than 0.5% by weight (aggregates other than those mentioned, oversize aggregates, etc.) |

| CHEMICAL PARAMETERS ** | |
|---|---|
| The pH is H20 | 6,0-7,5 |
| Salinity [KCL / I] | less than 1,0 g/l |

| PRODUCT SPECIFICATIONS: | |
|---|---|
| The size of the bag | Big-Bag 1m$^3$ |
| Article number | 30.1206 |

(*) 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.

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