

PRODUCT CARD

GREENFOND PW subsoil

GREENFOND PW is a mineral substrate designed as a filling layer on green roofs

GREENFOND PW subsoil is used on extensive and intensive green roofs as a filling layer for growing crops requiring cultivation in medium permeable soil. According to the FLL Guidelines, when laying green layers of a high volume substrate on the roof, it is necessary to apply a mineral filler layer, which prevents the development of anaerobic processes in the deeper layers of the substrate, protecting plants from rotting and diseases. GREENFOND PW subsoil is made exclusively of mineral drainage aggregates with different fractions and artificial absorbent aggregates.

APPLICATION:

- filling subsoil under the substrate for intensive roofs with a thickness of over 35 cm
- filling subsoil under the substrate for extensive roofs with a thickness of over 20 cm
- flat and inverted roofs, boards
- ceilings above garages and terraces
- recommended thickness - no restrictions
- ways of storage and installation on a square
- constructions in accordance with the manufacturer's recommendations

PRODUCT FEATURES:

- the subsoil produced from materials obtained locally and recycled
- resistant to external fire in accordance with the FLL Guidelines



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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% by weight
Content of absorbent aggregates	approx.. 50%
The content of organic ingredients	up to 5kg/m3
Compactability (wear factor)	about. 10%
Settling after compaction	less than 1%
Bulk weight in dry condition	about 1300 kg/m3
Weight in the state of max. water saturation	1700 kg/m3
Water capacity	approx.. 25%
Water flow speed	about 10 mm/min
The content of other substances	below 0, 3 % by weight (aggregates other than those mentioned, oversize aggregates, etc.)

CHEMICAL PARAMETERS **	
The pH is H2O	7,5-8,0
Salinity [KCL / l]	below 1,0 g/l

PRODUCT SPECIFICATIONS:	
The size of the bag	Big-Bag 1m ³
Article numer	30.1205

(*) 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.