DAKU
LA NATURA SUL TETTO

The pre-packaged lightened substrate DAKU ROOF SOIL 1 IRRIGA consists of a mixture of mineral materials of volcanic origin suitably mixed with organic substances to be used effectively in the construction of green roofs.

Free from weeds, it is mainly composed of lava lapillus and pumice stone in different grain sizes, as well as composted soil improver.

In the preparation phase, pre-cultivation must be integrated with the DAKU PLUS-I fertilizer, supplied separately from the mix to allow optimization of the performance of the substrate at the time of laying the vegetation.

The DAKU ROOF SOIL 1 IRRIGA substrate is characterized by a grain size and technical specifications that are ideal for planting trees, shrubs and turf.

To allow the lawns to take root correctly (if the planting takes place by sowing) it must be integrated on the surface, for a thickness of approx. 20% of the total thickness, with the DAKU MIX SEED, a bedding formulation necessary for the rooting of turf.

HIGH DIMENSIONAL STABILITY
HIGH WATER RETENTION
LOW WEIGHT
EXCELLENT PERMEABILITY

The substrate DAKU ROOF SOIL 1 IRRIGA complies with the requirements of the UNI 11235:2015 standard.

It can be supplied to the construction site packed in 1 m3 big bags, loose or in bags.

ROOF SOIL 1 IRRIGA
PRODUCTS

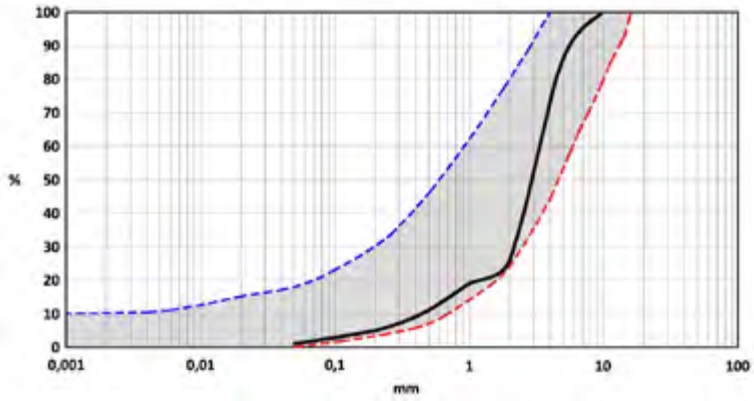
DAKU
LA NATURA SUL TETTO

rev. 03-2023

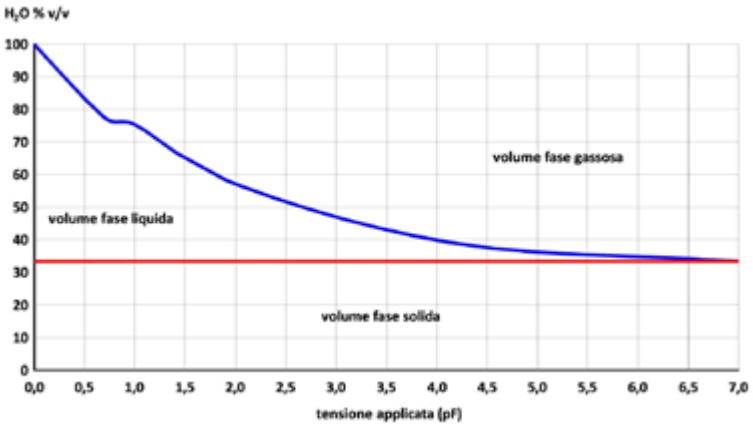
METHOD OF APPLICATION

DAKU ROOF SOIL IRRIGA substrates are placed directly over DAKU STABILFILTER geotextile, in variable thickness, commensurate to the specific needs of plant species and their size.

Grading curve

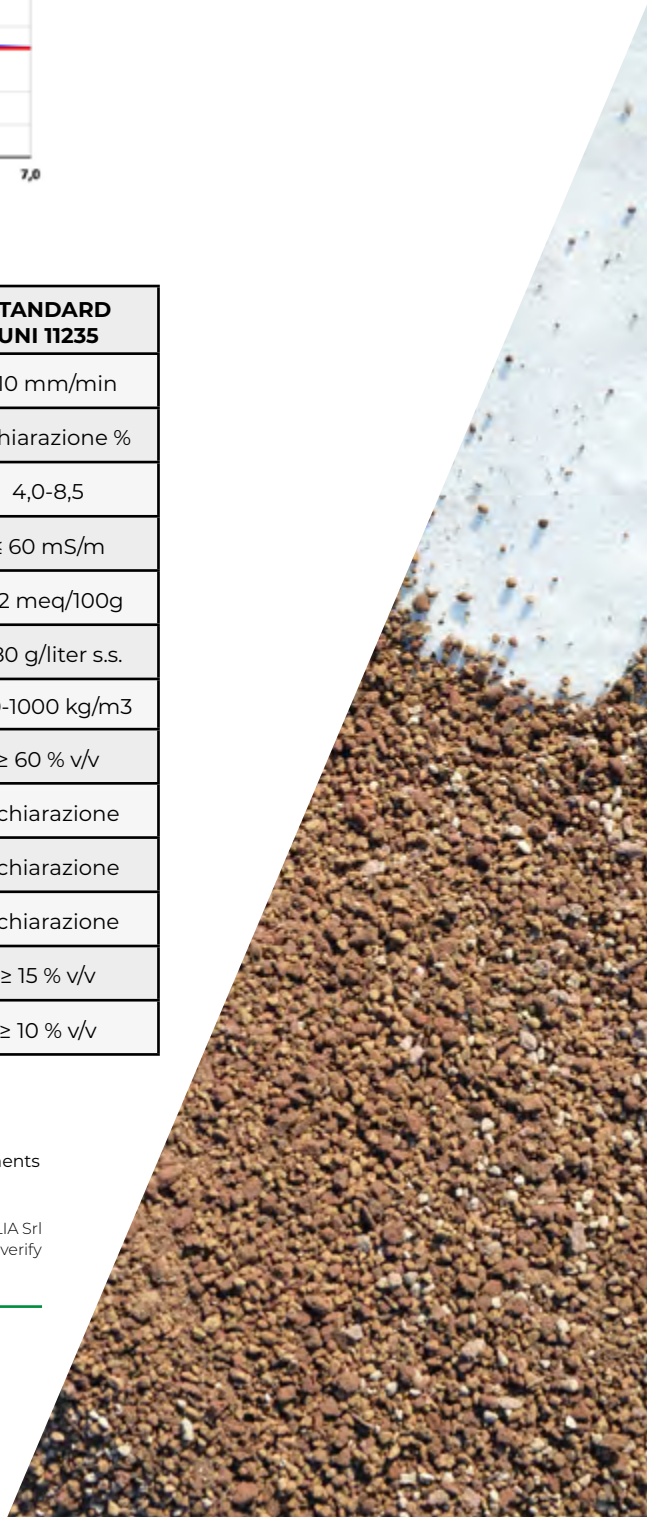


Water retention curve



TECHNICAL DATA

	ROOF SOIL 1 IRRIGA	STANDARD UNI 11235
Water permeability (DIN 18035-4)	> 30 mm/min	≥ 10 mm/min
Reduction volume to the compression (DIN 18035-4)	< 10 %	dichiarazione %
Ph value (UNI EN 13037)	7,5-8,5	4,0-8,5
Electrical conductivity (UNI EN 13038)	7 mS/m	≤ 60 mS/m
Cationic exchange capacity (DM 13/09/1999)	≥ 15 meq/100g	≥ 12 meq/100g
Organic substances (UNI EN 13039)	≤ 40 g/liter s.s.	≤ 80 g/liter s.s.
Apparent density (UNI EN 13041)	800-900 Kg/m3	350-1000 kg/m3
Total porosity (UNI EN 13041)	≥ 65 % v/v	≥ 60 % v/v
Potential saturation density (UNI EN 13041)	1.528 Kg/m3	dichiarazione
Full saturation density	1.282Kg/m3	dichiarazione
Water volume at pF 0,7 (UNI EN 13041)	≥ 40 % v/v	dichiarazione
Air volume at pF 1,0 (UNI EN 13041)	20-30 % v/v	≥ 15 % v/v
Water available (UNI EN 13041)	> 35 % v/v	≥ 10 % v/v



The product is made up exclusively of recyclable components

Complies with the requirements of UNI 11235:2015

Daku Italia s.r.l.
PMI INNOVATIVA
Via XIII Martiri, 28
30027 San Donà di Piave (VE)

www.daku.it
daku@daku.it
Tel. +39 0421 51864
P.I./C.F. 02972700278