

DAKU ROOF SOIL 2 prepackaged light substrates are constituted by a mixture of mineral material, suitably mixed with organic substances, to be effectively used in the installation of rooftop gardens.

Free from weeds, they are mainly composed of volcanic lapillus, pumice stone and compost of organic nature named DAKU KOMPOST.

During the installation, they must be integrated with DAKU PLUS fertilizers, supplied separately, in order to get a substrate always in optimal conditions at the time of planting.

DAKU ROOF SOIL 2 substrates have granulometric and technical features which make them ideal to be a growing ground for plants, especially for sedum, and bushes.

All DAKU substrates comply with the requirements of UNI 11235.

They can be supplied on site in big bags (1 m<sup>3</sup>) or unpackaged for any pumping of the substrate on the roof.



**HIGH DIMENSIONAL STABILITYELEVATA**  
**HIGH WATER RETENTION**  
**LOW WEIGHT**  
**EXCELLENT PERMEABILITY**



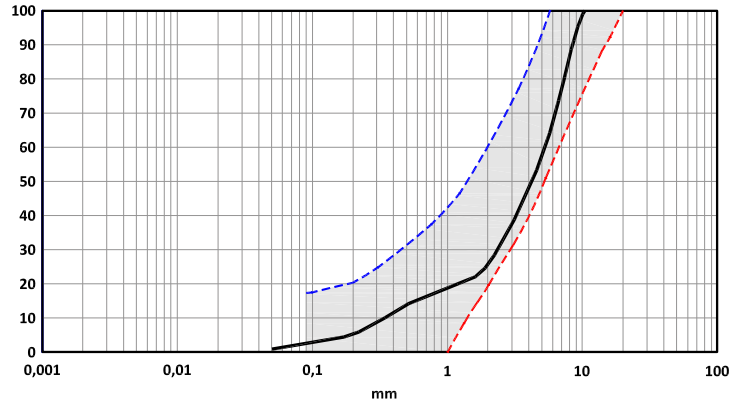
**ROOF SOIL 2**

**PRODUCTS**

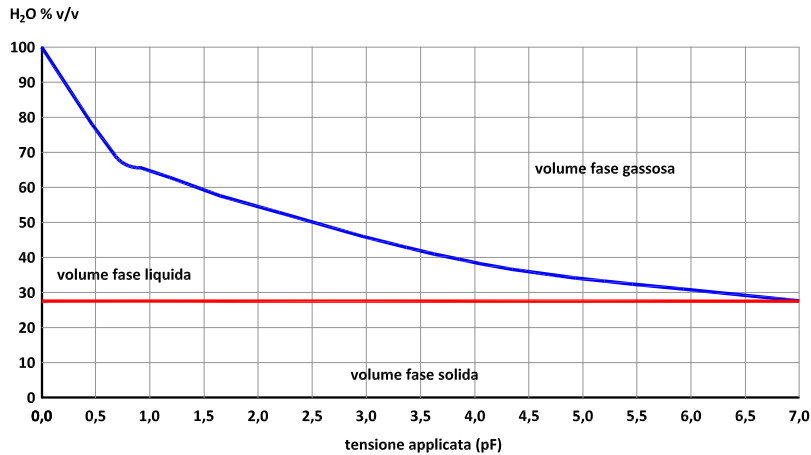
## METHOD OF INSTALLATION

DAKU ROOF SOIL 2 substrates are placed directly over DAKU STABILFILTER SFE geotextile, in variable thickness, commensurate to the specific needs of plant species and their size.

## Grading curve



## Water retention curve



## TECHNICAL FEATURES

	ROOF SOIL 2	STANDARD UNI 11235
Water permeability (DIN 18035-4)	> 30 mm/min	≥ 10 mm/min
Reduction volume to the compression (DIN 18035-4)	< 7 %	declaration %
Valore Ph (UNI EN 13037)	7-8	4,0-8,5
Electric conductivity (UNI EN 13038)	24 mS/m	≤ 50 mS/m
Cationic exchange capacity (DM 13/09/1999)	16,3 meq/100g	≥ 8 meq/100g
Organic substances (UNI EN 13039)	41 g/liter s.s.	≤ 60 g/liter s.s.
Dry volumetric mass (UNI EN 13041)	650-750 kg/m <sup>3</sup>	350-1000 kg/m <sup>3</sup>
Total porosity (UNI EN 13041)	≥ 70 % v/v	≥ 60 % v/v
Weight at potential saturation (UNI EN 13041)	1.424 Kg/m <sup>3</sup>	declaration
Saturated weight	1.072,7 Kg/m <sup>3</sup>	declaration
Hydric retention capability pF 0,7 (UNI EN 13041)	≥ 40 % v/v	declaration
Air volume at pF 1.0 (UNI EN 13041)	30-40 % v/v	≥ 15 % v/v
Usable water (UNI EN 13041)	> 30 % v/v	≥ 10 % v/v
Commercial volume (UNI EN 12058)	17,2 l (+/- 10%)	declaration



The product is made up exclusively of recyclable components

Complies with the requirements of UNI 11235:2015

The technical data given in this data sheet are average values of production and product description. DAKU ITALIA Srl reserves the right to make any changes at any time, for an improvement of the product: the user is required to verify to have the updated data sheets.



Daku Italia s.r.l.  
PMI INNOVATIVA

Via XIII Martiri, 28  
30027 San Donà di Piave (VE)

[www.daku.it](http://www.daku.it)

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

