

The pre-packaged lightened substrate **DAKU ROOF SOIL 2 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 a composted soil improver.

In the preparation phase, pre-cultivation must be integrated with the **DAKU PLUS-E** 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 2 IRRIGA** substrate is characterized by a grain size and technical specifications that are ideal for planting trees and shrubs but above all for planting sedum cuttings.

The substrate **DAKU ROOF SOIL 2 IRRIGA** complies with the requirements of the UNI 11235:2015 standard. It can be supplied to the construction site packed in 1 m<sup>3</sup> big bags, loose or in bags.



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



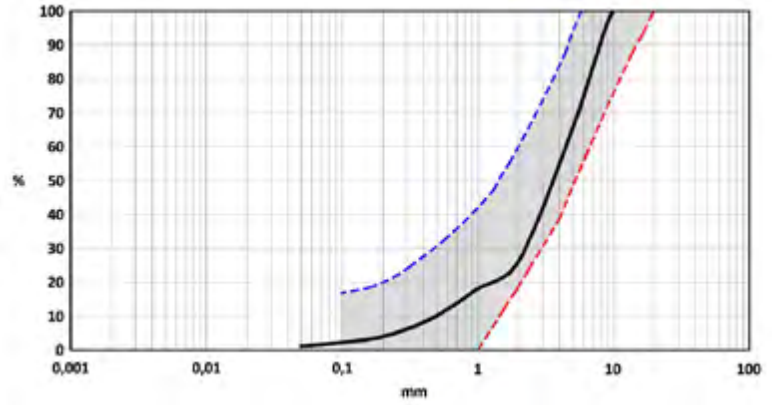
**ROOF SOIL 2 IRRIGA**

**PRODUCTS**

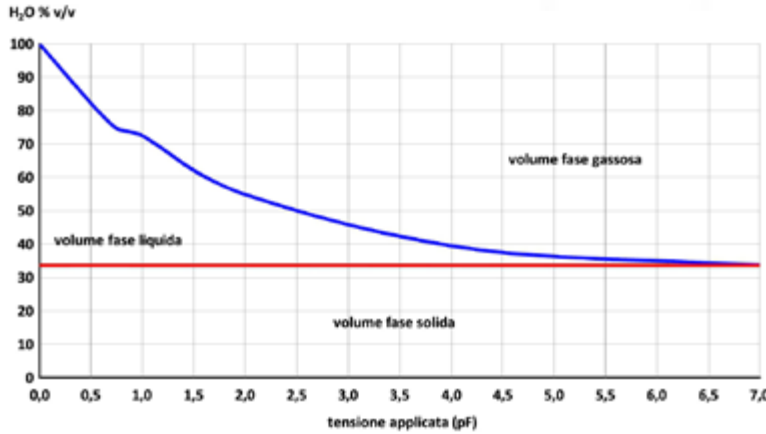
**METHOD OF APPLICATION**

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**

	<b>ROOF SOIL 2 IRRIGA</b>	<b>STANDARD UNI 11235</b>
Water permeability (DIN 18035-4)	> 70 mm/min	≥ 10 mm/min
Reduction volume to the compression (DIN 18035-4)	< 14 %	dichiarazione %
Ph value (UNI EN 13037)	7,5-8,5	4,0-8,5
Electrical conductivity (UNI EN 13038)	10 mS/m	≤ 50 mS/m
Cationic exchange capacity (DM 13/09/1999)	≥ 19 meq/100g	≥ 8 meq/100g
Organic substances (UNI EN 13039)	≤ 45 g/liter s.s.	≤ 60 g/liter s.s.
Apparent density (UNI EN 13041)	800-900 kg/m <sup>3</sup>	350-1000 kg/m <sup>3</sup>
Total porosity (UNI EN 13041)	≥ 65 % v/v	≥ 60 % v/v
Potential saturation density (UNI EN 13041)	1.527 Kg/m <sup>3</sup>	dichiarazione
Full saturation density	1.252 Kg/m <sup>3</sup>	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

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.



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