

TERMS OF CONTRACT FOR THE “DAKU INTENSIVE PITCHED” SYSTEM

This is an agreement for the realization of the DAKU INTENSIVE PITCHED system, with a vegetal substrate made of Sedum and in compliance with the prescriptions of the UNI 11235/2015 standards. The system, installed on a waterproof anti-rooting substrate, must meet the following requirement regarding efficiency and sustainability:

- To have a thickness (without vegetation) not superior to 23 cm.
- To have a weight for the saturated system (without vegetation) not superior to 193 kg/m²
- To have an air volume not inferior to 64,5 l/m²
- To have a total amount of retained water not inferior to 82,5 l/m²
- To have an amount of water retained by porous media not inferior to 62 l/m²
- To have a total amount of usable water not inferior to 69 l/m²
- To have a usability ratio not inferior to 0,84
- To have an efficiency ratio not inferior to 0,7
- To have an outflow coefficient (in compliance with UNI 11235/2015 - FLL test) not superior to 0,36

The DAKU INTENSIVE PITCHED system is composed of:

- DAKU FSD 20: it is the fundamental basis and engine package. It is a component made of prefabricated sintered expanded polystyrene, which performs a threefold function of protection, drainage and water storage. It has a gross mass of 25 kg/m³, a thickness of 82 mm and a hydric storage capacity of 13.1 l/m². The horizontal drainage capacity at 20 kPa (i=0.01) is not inferior to 1.44 l/m². The vertical drainage capacity is not inferior to 0.73 l/m². The air volume of the system when fully saturated is of 21.5 l/m².
- DAKU STABILFILTER SFI: it is a geotextile stabilizer in polypropylene with filtering capabilities. It has a thickness of 1.50 mm (at 2k Pa) and weights 260 g/m² (+/-10%). The filtering speed is of 75 mm/s (-30%), with the maximum pore openness of 0.07 mm (+/-30%).
- DAKU GRID 4: it is a cellular confinement grid, which supports and links the surface. It is made of polypropylene and has a tridimensional bi-oriented structure. Each cell is quadrangular, 40x27 mm wide.
- DAKU GEO 75: it is a retainment cell made of polyethylene, with a tridimensional ovoidal shape. It has a height of 75 mm and an internal diameter of 30 mm.
- DAKU ROOF SOIL 1: is a substrate mainly composed of volcanic material (lapillus, pumice stone) and organic matter (DAKU KOMPOST). Its granulometry respects the levels established by the UNI 11235/2015 standards and its dry volumetric mass has a value between 700 e 800 kg/m³. The substrate weight, when saturated, is lower than 1.175 kg/m³. The PH levels are between 7/8 and the CEC is not lower than 18.4 m²/100g. The water retention capability is not inferior to 45% and the usable water is never less than 35%. The substrate thickness is of 15 cm.
- DAKU PLUS I: it is a fertilizer, in the form of granules, which gradually releases the nutritive substances. It has a concentration of 5 g/m² for each centimeter of the substrate. In the fertilizer there is a 13% percentage of nitrogen, a 20% percentage of phosphorous pentoxide (soluble) and a 9% percentage of potassium oxide.
- LAWN: the lawn is made of grasses in pre-built clods, which are then levelled and pressed.
- SPRINKLER SYSTEM: it is an automatic system, with static or dynamic sprinklers. It can be programmed according to the garden's needs.

Depending on the geo-morphological and climatic conditions it may be necessary to equip the system with an irrigation mechanism. All DAKU products comply with the UNI 11235/2015 standards. The sustainability and efficiency certification of the system will be granted only if the guidelines provided by DAKU Srl regarding materials and installation procedures will be respected.



Daku Italia s.r.l.

Sede legale ed amministrativa

Via XIII Martiri, 28
30027 San Donà di Piave (VE) - Italy
Tel: +39 0421 51864
Fax: +39 0421 334491

Sedi commerciali

Piazzale della Pieve, 16
47121 Forlì (FC) - Italy
Tel: +39 0543 480496
Fax: +39 0543 487642

Strada per Castelnuovo Nigra, 84
10081 Castellamonte (TO) - Italy
Tel: +39 344 3415605

www.daku.it
daku@daku.it
P.I. / C.F. 02972700278
REA. N. VE 270000

