

**DAKU FSD PARK** components (80 mm thick) are made of high-density sintered expanded polystyrene foam. They are produced with materials free from regenerated elements. They are used for water storage and drainage in roofs where light vehicles can pass and supplied in sheets of white color, barely flammable; their size is of 125x100 cm. **DAKU FSD 30** components protect the waterproof substrates, store rainwater and return it to the vegetation through a process of condensation and evaporation called "water spread". This allows the vegetation to have long term water supplies. They can be used for the realization of extensive rooftop gardens on plain surfaces or pitched roofs. All components, in regard of water drainage, comply with the DIN 4095 standards (for buildings drainage protection). They also create a protective layer to mechanical stress for the waterproof substrates as required by DIN 18195 Part 1 and DIN 18195 part 10.

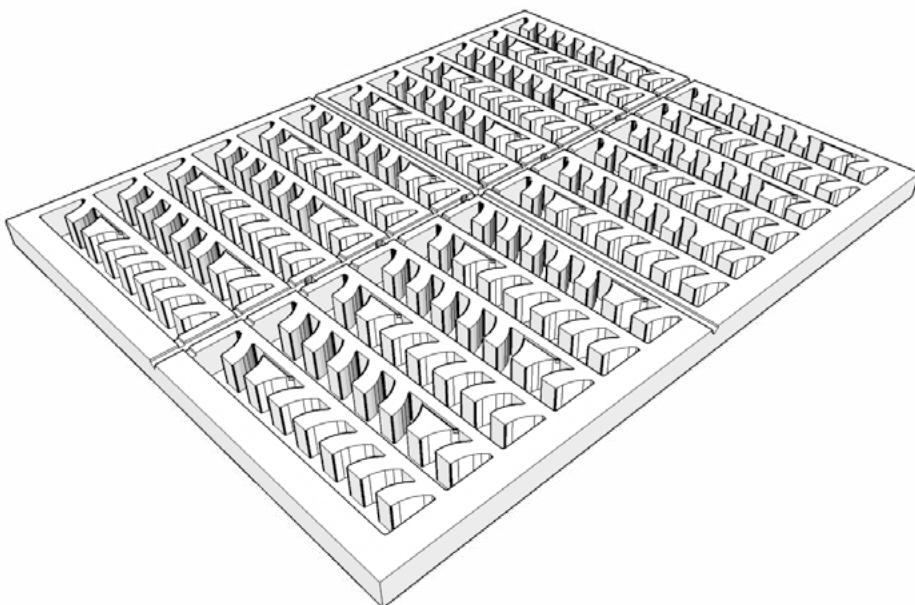
They are provided with CE marking (according to UNI EN 13163) and can also act as thermal insulation components. The upper part of the sheet has a series of cells, equipped with overflow, which accumulate water, with a maximum capacity of 20 l/m<sup>2</sup>. Between the external edge of the 13 mm sheet and the maximum level of the overflow there is the upper ventilation layer, designed to prevent water from reaching the substrate.

The lower part of the sheet has a series of perimetral and transversal grooves. These grooves, through a series of 5 holes (15 mm diameter each) in communication with the overflow and the ventilation layer placed on the upper face, allow to drain the water in excess. In order to



**MECHANICAL PROTECTION**  
**DRAINAGE**  
**MECHANICAL PROTECTION**

obtain a usable surface for vehicles, the upper layer of the water storage sheet is filled with lapillus. This enhances the resistance to compression caused by the vehicles weight.

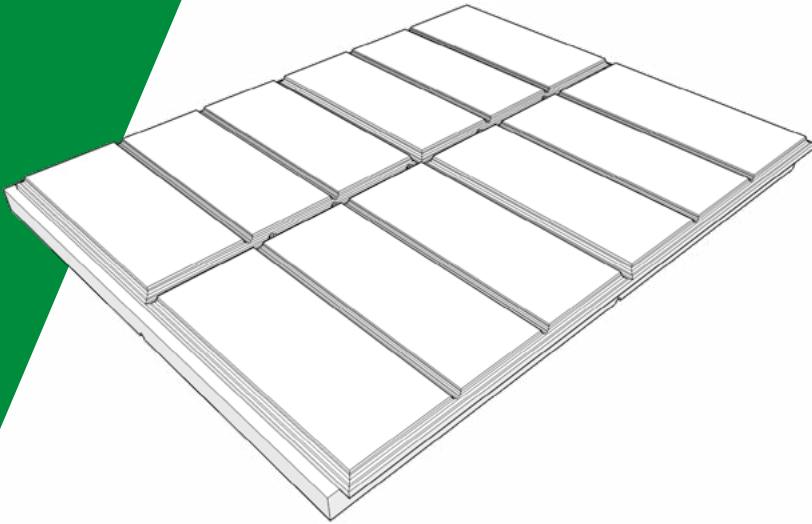


**FSD PARK**

**PRODUCTS**

## METHOD OF INSTALLATION

DAKU FSD PARK components are laid staggered or in pairs on the protection and drainage component DAKU DRAIN G450, which is laid directly on the waterproof surface. On critical surfaces or wherever it is not possible to install them in their shape, cuts may be performed with cutter or hacksaw. It is however fundamental to damage the minimum number of cells possible, so as not to lose water. The cells are then filled with lapillus to enhance resistance and stability while ensuring water storage.



## TECHNICAL FEATURES

Dimensions	1250 x 1000 mm
Thickness	80 mm
Raw mass	35 Kg/mc (+/- 10%)
Maximum water storage capacity	20,3 liters/mq
Gap between water and filter	13 mm
Horizontal drainage capacity (1.5% sloping)	0,35 l/ms
Horizontal drainage capacity (3% sloping)	0,46 l/ms
Vertical drainage capacity (EN ISO 11058)	0,73 l/m <sup>2</sup> s
Flammability Class	E according to EN 13501
Supply	pallet with 32 components (40 m <sup>2</sup> )



The product is made up exclusively of recyclable components



CE conformity in accordance with Directive 89/106/CEEE

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.**  
Via XIII Martiri, 28  
30027 San Donà di Piave (VE) - Italy  
P.I./C.F. 02972700278

[www.daku.it](http://www.daku.it)  
daku@daku.it  
Tel. +39 0421 51864  
Fax: +39 0421 334491

