

DAKU DRAIN components are made of sintered expanded polystyrene foam and produced with raw materials free from regenerated.

They are used for mechanical protection, horizontal and vertical drainage; they are supplied in sheets of white color, barely inflammable; their size is 125x100 cm.

DAKU DRAIN elements protect the waterproof surface and drain water from the substrates above them.

They also create a protective layer to mechanical stress for the waterproof substrates .

The surface has a high drainage capability, thanks to a high number of truncated-cone section feet in it.

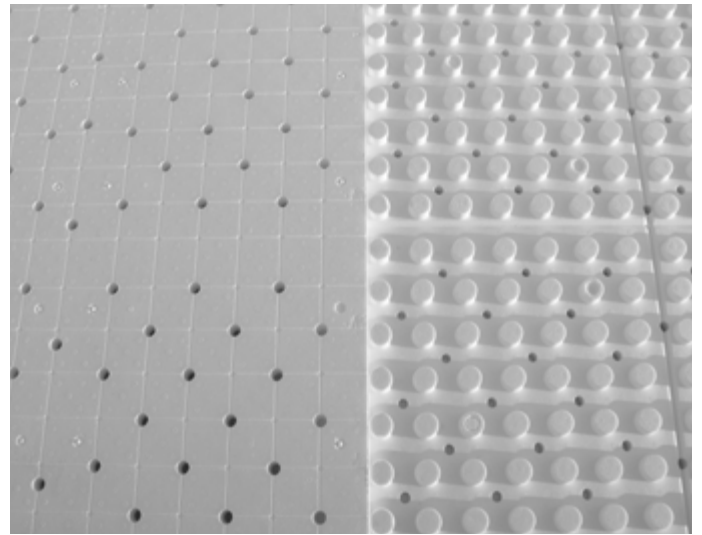
They can be used in intensive rooftops garden both on plain and pitched surfaces or to drain water under paved surfaces.

The upper side of the sheet is plain and has no water storage capability.

The lower side of the sheet has 252 truncated-cone section feet with a diameter of approx. 36 mm and height 20 mm each.

These feet, through a series of 101 holes (diameter 15 mm each) communicating with the upper side, allow to elevate the sheet from the bottom surface, creating an increased drainage chamber.

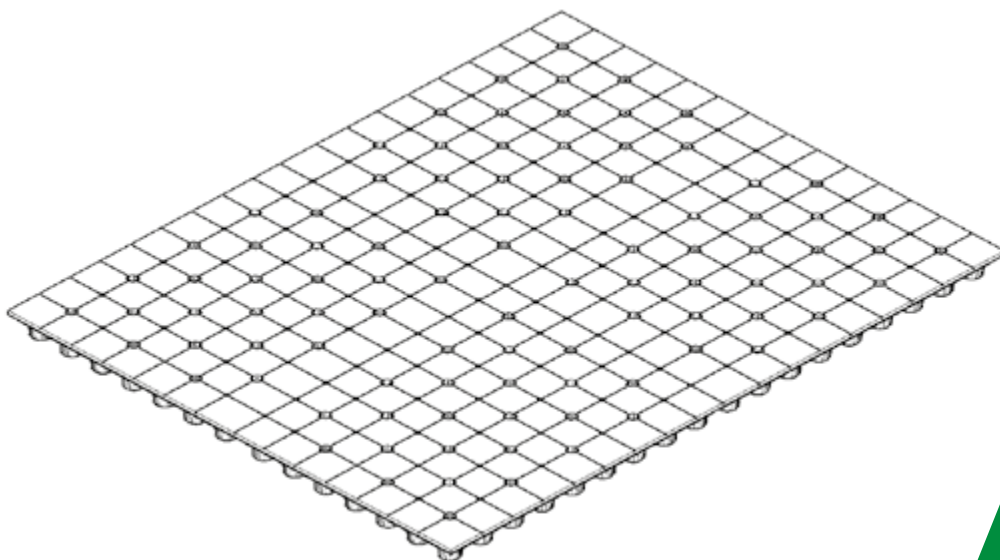
They also provide a high level of vertical drainage for the



WATERPROOF SURFACE PROTECTION
DRAINAGE
THERMAL INSULATION

water in excess.

All DAKU DRAIN elements comply with the UNI 11235 standards and they are produced in a version with a density of 25 Kg/m³, 35 Kg/m³ and 50 Kg/m³ based on use with more or less heavy loads.



DRAIN 25 / 35 / 50

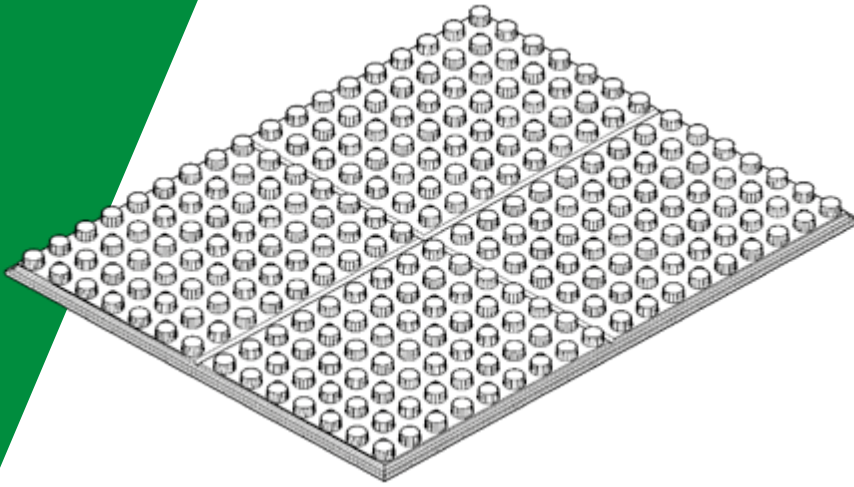
PRODUCTS

METHOD OF INSTALLATION

DAKU DRAIN components are laid on the waterproof/insulation surface both staggered or in pairs.

Depending on the type of surfaces on which they are positioned, it may be necessary a separation layer between the waterproofing and DAKU DRAIN components; the features of this additional layer must not prevent the normal flow of the drain water.

The upper side has a series of "cut lines", which are designed to facilitate cutting with cutters or hacksaws if needed.



TECHNICAL FEATURES

	DAKU DRAIN 25	DAKU DRAIN 35	DAKU DRAIN 50
Dimensions	1250 x 1000 mm		
Thickness	47 mm		
Raw mass	25 Kg/m ³ (+/-10%)	35 Kg/m ³ (+/-10%)	50 Kg/m ³ (+/-10%)
Drainage capacity at 20 kPa (EN ISO 12958) with i=0.01 - vertical - horizontal	1,46 l/ms 1,44 l/ms		
Drainage capacity at 20 kPa (EN ISO 12958) with i=0.1 - vertical - horizontal	4,95 l/ms 4,90 l/ms		
Vertical drainage capacity (EN ISO 11058)	14,74 l/m ² s		
Height of support feet	20 mm		
Number of support feet	nr. 252		
Surface	2.052 cm ² /sqm		
Flammability Class	E according to EN 13501		
Packing	pallet with 60 elements (75 sqm)		



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.