

DAKU STABILFILTER filters consist of geotextiles made with needle-punched polypropylene fibers and heat stabilized without adhesives or chemical binders, of great strength.

They are suitable for use as separation layer and filter in the construction of multilayer green roof between the drainage layer and the substrate, they can be used for both flat and sloping flooring.

DAKU STABILFILTER filters, in version SFE 220 gr/m² with a thickness of 1.30 mm (for Extensive solutions) and SFI 260 gr/m² with a thickness of 1.45 mm (for Intensive solutions). DAKU STABILFILTERS have a fibrous structure, uniform and stable, high permeability and ensures optimum filtration of fine particles present in DAKU substrates, not allowing the obstruction of the underlying layers over time.

DAKU STABILFILTERS are resistant to decay and frost, are rich in capillaries that can distribute uniformly the humidity.

With the ability to transfer capillary the humidity, the water recovered from the storage elements DAKU FSD is condensed through a process of balanced capillary transmission and distributed uniformly on the surface of the geotextile where it is transferred to the root system of the plants through the gradual absorption of the substrate.

DAKU STABILFILTER SFE and SFI filters, positioned on the panels for water storage, are physically separated from



**SEPARATION LAYER AND FILTER
CAPILLARY MOISTURE DIFFUSION
ROOT ANCHORING
STABILIZER ELEMENT**

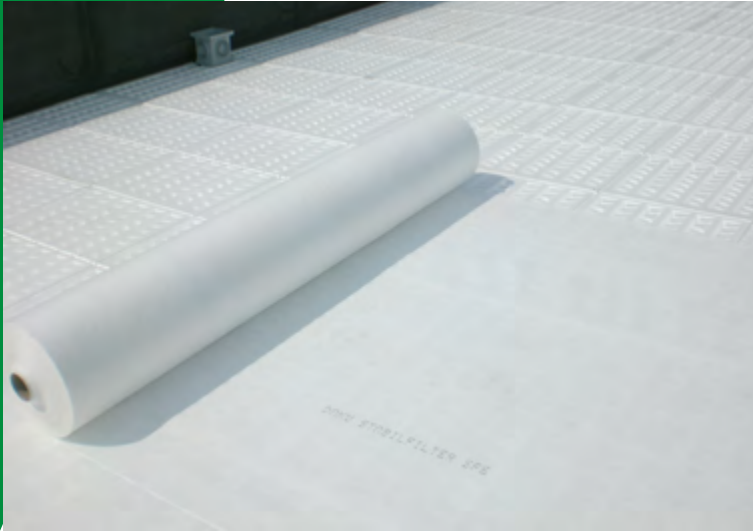
the artificial aquifer made of the storage cells, by an air gap that prevents direct contact with the water.

DAKU STABILFILTER filters comply with the requirements of UNI 11235.



METHOD OF APPLICATION

The DAKU STABILFILTER is dry-laid with an overlap of 10 cm sheets directly on the elements DAKU FSD or DAKU DRAIN 25-35. In order to avoid tedious displacements in case of wind, it is advisable to wet DAKU STABILFILTER, or fix the overlap with devices for heat-sealing with hot air or with contact adhesive, silicone or simple temporary stabilizing mass. In order to protect the stratigraphic to vertical on the perimeters of the waterproofing we recommend lying DAKU STABILFILTER folding it back to the upper limit of the altitude at which the substrate is placed.



TECHNICAL FEATURES

	STABILFILTER SFE	STABILFILTER SFI	Tolerance %
Field of application	Extensive green	Intensive green	-
Color	White		-
Roll size	2,00 x 50 m (100sqm)		-
Aeric Mass (EN ISO 9864)	220 gr./sqm	260 gr./sqm	+/- 10%
Thickness with 2 kPa (EN ISO 9863-1)	1,35 mm	1,50 mm	+/- 20%
Tensile strength(EN ISO 10319) - longitudinal - transverse	17,0 kN/m 17,0 kN/m	21,0 kN/m 21,0 kN/m	- 10% - 10%
Elongation at break (EN ISO10319) - longitudinal - transverse	65 % 70%	65 % 70%	+/- 30% +/- 30%
Deformation to exercise load (EN ISO 10319) - longitudinal - trasverse	<20% <20%	<20% <20%	-
Pressure resistance CBR-Test (EN ISO 12236)	2,60 kN	3,20 kN	- 10%
Dynamic puncture resistance cone drop (EN ISO 13433)	17 mm	14 mm	+20%
Permeability VIH=50 (EN ISO 11058)	85 mm/s	75 mm/s	- 30%
In-plane flow capacity (EN ISO 12958)	2,10 x10 ⁻³ l/ms	2,30 x10 ⁻³ l/ms	- 30%
Pore size O90 (EN ISO 12956)	0,08 mm	0,07 mm	+/- 30%
Oxidation resistance (EN ISO 13438)	Durability forecast minimum of 25 years		-



The product is made up exclusively of recyclable components



1213-CPR-3269

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.