



SINCE
1950

ENVIRET SH

Growing and hydroaccumulation
board



Nonwoven fabric made by Airlay technology from recycled synthetic fibers, mainly

Characteristics: polyester, bonded with bicomponent polyester fibers.

Material content:

Sorted recycled technical and second-hand textile, bonded with BICO fibers.

Registration: Growing aid according to the Act of the Czech Republic No. 156/1998 Coll.

Certification: Quality Management System ISO 9001, ISO 14001, ISO 45001 and ISO 50001

Properties:



EASY
INSTALLATION



QUICK
INSTALLATION



MADE FROM
RECYCLED
MATERIALS



MADE IN
CZECH REPUBLIC



HIGH WATER
RETENTION

Regular use:

The growing and hydroaccumulation board is intended for the foundation of layers of green roofs, mostly extensive light roofs with drought-tolerant plants, such as Sedum and Semprevivum stonecrops, and also possibly for intensive roofs. In the structure of the green roof, the board fulfills the function of hydroaccumulation, for retaining water in the structure, and growing.



EXTENSIVE FLAT
GREEN ROOFS



EXTENSIVE SLOPE
GREEN ROOFS



GREEN
TRAM TRACKS

Material specification sheet

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EASY WAY TO GREEN ROOF

Material specification sheet

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ENVIRET SH

Growing and hydroaccumulation
board

Technical parameters

	ENVIRET SH	10	20	30	tolerance
PHYSICAL PROPERTIES					
Mass per unit area / EN ISO 9864	g/m ²	1000	2000	3000	± 15 %
Density	kg/m ³	100	100	100	
Mass of fully saturated board	kg/m ²	9	19	29	± 15 %
Thickness 0,5 kPa / EN ISO 9073-2	mm	10	20	30	± 15 %
MECHANICAL PROPERTIES					
Tensile strenght / EN ISO 10319	↑ → kN/m	55	115	135	
		20	40	45	
Dynamic perforation resistance / EN ISO 13433	mm	45	20	5	
CHEMICAL PROPERTIES					
pH* / ČSN EN 13037		6,8 - 8,4			
Electric conductivity EC* (max) / ČSN EN 13038	mS / cm	0,1			
Content of risk elements (max) / Law No. 156/1998 Coll.	mg / kg dry matter	cadmium 2, lead 100, mercury 1.0, arsenic 20, chrome 100, copper 100, nickel 50, zinc 300			
Registration Decision No. / Law No. 156/1998 Coll.		5152	5151	5139	
HYDRAULIC PROPERTIES					
Hydroaccumulation capacity	l/m ²	8	17	26	
Maximum water capacity *	%	78 – 83	80 – 85	83 – 88	
Porosity *	%	90 - 95	90 - 95	90 - 95	
DIMENSIONS**					
Delivered format		board			
Width	cm	60	60	60	± 2 cm
Lenght	cm	120	120	120	± 2 cm
PACKAGING AND STORAGE					
Pallet dimension	cm	120x120	120x120	120x120	
Number of boards per pallet	ks	400	200	134	
	m ²	288	144	97	
Appr. weight of pallet	kg	300	300	300	
Storage		Under roof, in dry places			

The data are informative purpose only.

The data was measured at the laboratories of RETEX a.s., Brno University of Technology and the Textile Institute Brno.

* Data measured in the laboratories of The Silva Tarouca Research Institute for Landscape and Ornamental Gardening .

** Possibility of deliveries in rolls. The width and length of the boards can be changed by agreement.

IMPORTANT:

- The product is intended for growing ornamental plants.
- The product is not intended for growing food, fruit and vegetables.
- The product can only be used on roofs, not in the ground.
- The product must not be used for mixing with or applied to topsoil.
- The product must be disposed of as waste.