

Urbanscape® EPS Drainage System

September 2018

Description

The Urbanscape® EPS Drainage System is a drainage and reservoir board made out of EPS and specifically designed for green roofs. The boards are moulded to allow for installation with the reservoirs on the upper face for high water retention. These reservoirs provide buffering of water in dry periods and rapid drainage of water from green roofs in wet periods, and even help aerate plant root systems.

The fire performance of the Urbanscape® EPS Drainage System was tested according to EN ISO 11925-2 and certified as **Fire resistant Euroclass E** according to EN 13501-1.



Installation

The Urbanscape® EPS Drainage System is installed below the Urbanscape® Green Roll and Urbanscape® Geotextile 300 in extensive green roofs.

- Place the Urbanscape® EPS Drainage System over the entire roof area and make sure the reservoirs are on the bottom.
- Install the boards tightly side by side.
- Cut out material where the Urbanscape® Inspection box is to be installed (over the roof outlets).
- Cover all Urbanscape® EPS drainage boards with Urbanscape® Geotextile 300.
- In order to stay safe and protect the waterproofing membrane use the Urbanscape® Cutter or a hook cutter to cut the Urbanscape® Drainage System. Do not use a sharp blade cutter or knife!

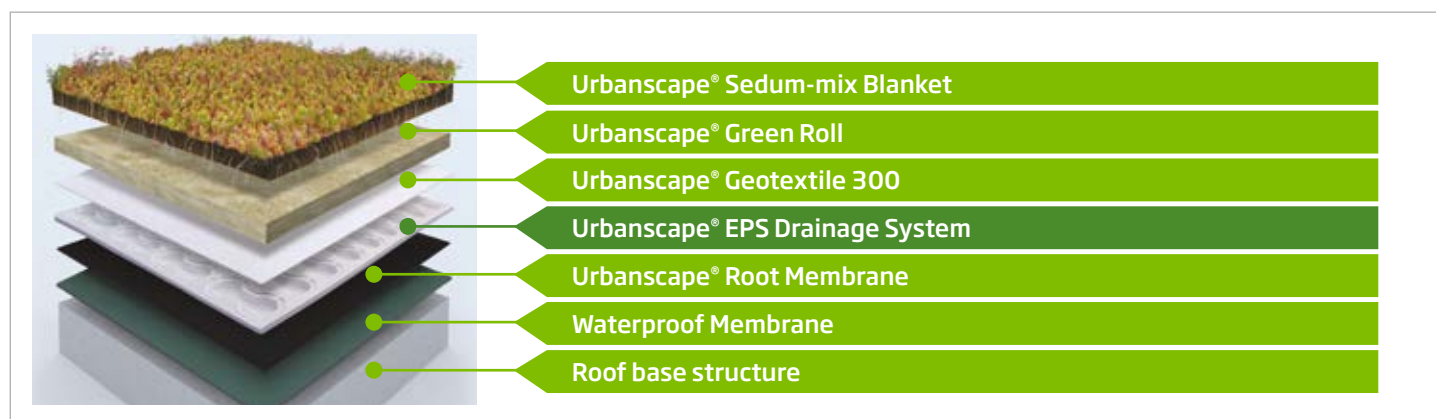
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Technical Properties of the Urbanscape® Drainage System without buffer

Property	Unit	Value	Standard
Height	mm	38	
Width	mm	800	
Length	mm	1200	
Density	g/l	25	
Weight	g/unit	475	EN ISO 9864
Rain water retention capacity	l/m ²	10	
Compressive strength	kPa	228	EN ISO 25619-2
Reaction to fire		Euroclass E	EN 13501-1
Units	units/pallet	70	
Size	m ² /unit	0.96	
Size	m ² /pallet	67.2	
Pallet size (L × W × H)	mm	1200 × 800 × 2600	

Urbanscape® Green Roof System Benefits



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Knauf Insulation d.o.o.
Trata 32, 4220 Škofja Loka, Slovenia
E-mail: urbanscape@knaufinsulation.com

www.urbanscape-architecture.com