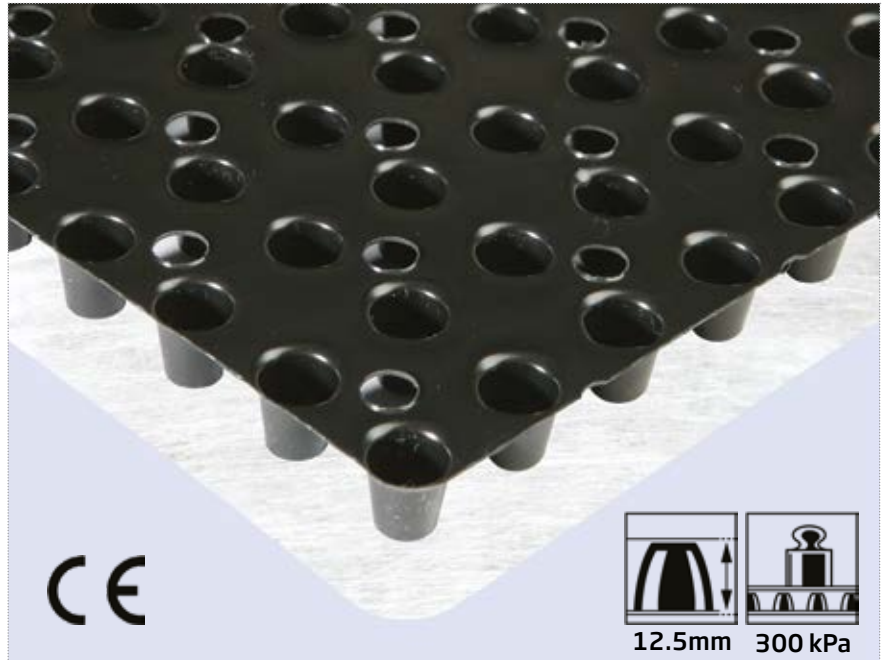


Urbanscape® Drainage System

October 2018

Description

Urbanscape® Drainage System is a high-performance CE-marked drainage system with an innovative dimple design made out of recycled high impact polystyrene. It acts as a drainage, separation and protection layer. The core of the drainage system is a perforated dimpled sheet with a high compressive strength and a construction height of approx. 12.5 mm. A non-woven geotextile is bonded to each dimple as a separation and protection layer. The drainage system is a protection layer in accordance with DIN 18531 "Waterproofing of roofs - Sealings for non-utilized roofs".



Installation

Urbanscape® Drainage System is installed below the Urbanscape® Green Roll in extensive green roofs.

- Roll out the Urbanscape® Drainage System over the total roof area and make sure the white geotextile is on the bottom.
- Install the rolls tightly side by side and use the geotextile overlaps to cover the joints.
- You can secure the overlaps with the Urbanscape® Geotextile Fastener. Ballast the drainage system when necessary.
- Cut out material where Urbanscape® Inspection box must be installed (over the roof outlets).
- For safety reasons and protection of 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!



Urbanscape® Profiles



Urbanscape® Cutter



Urbanscape® Inspection Box



Urbanscape® Geotextile Fixer

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Technical Properties of Urbanscape® Drainage System without buffer

Property	Unit	Value	Standard
Construction height	mm	approx. 12.5	
Width	m	approx. 1.2	
Length	m	approx. 10	
Units	units/pallet	12	
Size	m ² /unit	approx. 12	
Size	m ² /pallet	approx. 144	
Pallet size (LxWxH)	m	0.8 x 1.2 x 2.55	
Weight	g/m ²	approx. 630	
Pallet weight	kg/pallet	approx. 91 (excluding pallet)	
Number of dimples per m ²		approx. 3,364	
Water retaining capacity dimple only	l/m ²	approx. 2.15	
Water retaining capacity incl. geotextile	l/m ²	approx. 2.65	
Number of perforations per m ²		approx. 1,540	
Compressive strength	kPa	approx. 300	hEN EN ISO 25619-2
Drainage Capacity:			
Fall = 1 %	l/(s.m)	approx. 0.62	hEN EN ISO 12958
Fall = 1.5 %	l/(s.m)	approx. 0.74	hEN EN ISO 12958
Fall = 2 %	l/(s.m)	approx. 0.84	hEN EN ISO 12958
Fall = 2.5 %	l/(s.m)	approx. 0.91	hEN EN ISO 12958
Fall = 3 %	l/(s.m)	approx. 0.95	hEN EN ISO 12958

Urbanscape® Green Roof System Benefits

Complete solution

Lightness

Efficient installation

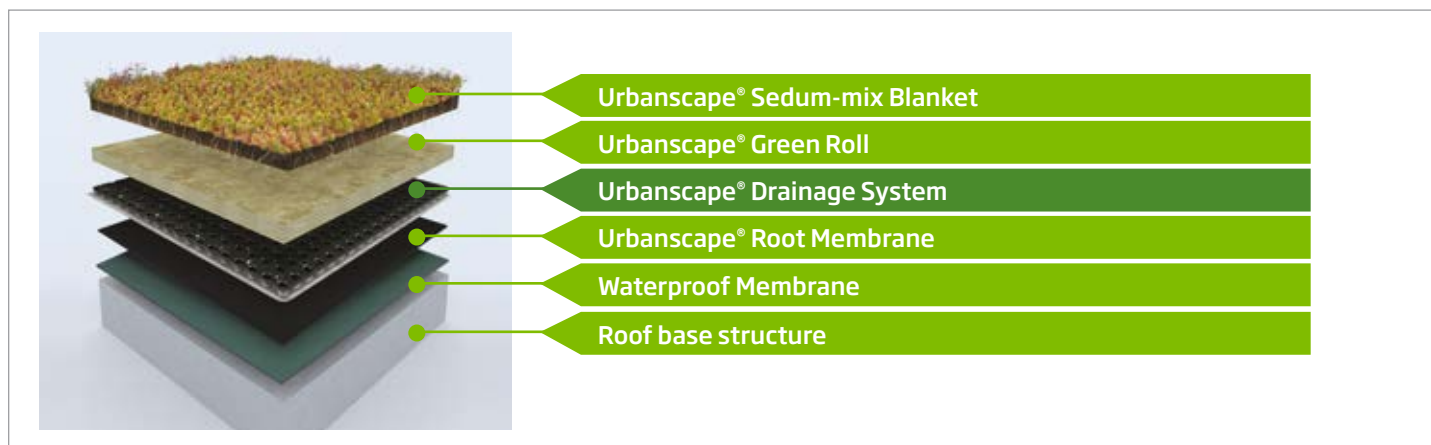
Sustainability

High water absorption

High thermal performance

High acoustic performance

High fire resistance



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