

# Urbanscape® Green Roll (Highway)

June 2018

## Description

Urbanscape® Green Roll for Highways is made of needled rock mineral wool to form a compact and dimensionally-stable felt. Using Urbanscape® Green Roll in various applications provides better water absorption, retention and distribution, which in turn results in better plant growth and more attractive plants.

Urbanscape® materials are made from natural, locally sourced volcanic rock. Rock mineral fibres are produced in a heating process entirely without any chemical binders and have superior water storage and release capabilities that make water and nutrients easily accessible to plants. This in turn improves soil structure and reduces environmental stress on plants.



## Applications

Place Urbanscape Green Rolls below the Sedum mix blankets or any other growing media to improve water-retention capacity and aeration.

## Where to use it

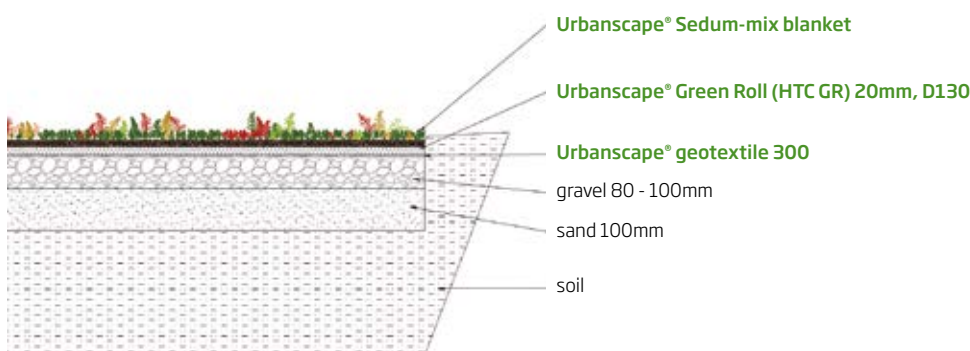
- Highways applications



## Why

- Reduces watering by up to 50%\*
- Reduces environmental stress on the plants
- Improves plant growth and roots development
- Improves plant vigour and resistance
- Increases water-retention capacity and aeration
- Much lower maintenance costs (mowing is not required and therefore no need for partial closures of roads).

*\*Results may vary due to type of soil, vegetation and climatic conditions.*



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*Above and beyond*

## Technical Properties of Urbanscape® Green Roll for Highways

Property	Unit	Value	Standard
Nominal density*	kg/m <sup>3</sup>	110 (6,9)	
Initial water absorption**	times	7	
Initial water absorption under 700 N/m <sup>2</sup> pressure**	times	6.2	
Water absorption characteristics	%	72	WOK analysis
Thickness tolerance*		T2	EN 14303
Maximum service temperature*	°C	100	EN 14706
Thermal conductivity at mean temperature* λ N,P	W/mK	0.040	EN 12667
Reaction to fire		A1	EN 13501-1

\*Valid for dry state \*\*Ratio of weight of water absorbed by a material to the weight of the dry material.  
 Certificates: CE, EUCEB, RAL, ISO 9001, ISO 14001, EN 16001, OHSAS 18001

## Usage / Installation

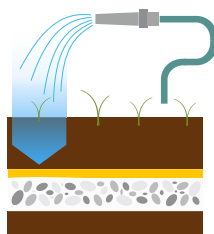
### 1. Simple to use

Place the Green Roll on the top of properly prepared base ground (to which the Urbanscape Geotextile 300 is laid).



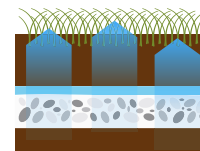
### 2. Usual care

Place a pre-vegetated blanket over the Green Roll. Water thoroughly.










### 3. Less watering

The green plot should be watered regularly (using less water than usual) until the plants are deep-rooted. The Green Roll stores additional water thus plants may access to it when required.



## Benefits

-  High water absorption
-  Reduced irrigation frequency
-  Improved root growth
-  Stronger plants
-  Efficient installation
-  Sustainability
-  Improved water air ratio

## Packaging of Urbanscape® Green Roll

Products	Thickness (mm)	Width (m)	Length (m)	Weight (kg/m <sup>2</sup> )
Green Roll D11/20	20	on special request	up to 8 m	2.20
Green Roll D11/40	40	on special request	up to 5 m	4.40

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