





LEED version 4.1

PRODUCT DATA FOR CERTIFICATION

URBANSCAPE LANDSCAPING CONCEPT

LEEDv4.1 (Leadership in Energy and Environmental Design) is a voluntary standard that defines high performance of green buildings which are healthier, more environmentally responsible, and more profitable structures. Credits for certification can be earned in various categories, each with a unique focus on sustainable design: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, innovation and design process.






KNAUF INSULATION products can put you on the right track for the highest result into the certification!

LEED Credit Category code	LEEDv4 Definition	Knauf Insulation Products contribution	Contributes towards
Sustainable Sites (SS)  Construction activity pollution prevention	To reduce pollution from construction activities by controlling soil erosion, waterway sedimentation, and airborne dust.	Landscaping concept can help projects during construction with sedimentation control and runoffs.	Required
Sustainable sites (SS)  Site development protect or restore habitat	To conserve existing natural areas and restore damaged areas to provide habitat and promote biodiversity.	Landscaping concept helps projects to restore soils to meet the criteria with reference soils: compaction, infiltration rates, soil biological function, etc.	2 points
Sustainable sites (SS)  Open Space	To create exterior open space that encourages interaction with the environment, social interaction, passive recreation, and physical activities.	Landscaping concept helps projects to create an open space qualified for its environmental benefits. The presence of green areas has a relaxing psychological effect, helps to reduce blood pressure and lowers the heartbeat.	1 point
Sustainable Sites (SS)  Rainwater management	To reduce runoff volume and improve water quality by replicating the natural hydrology and water balance of the site.	Landscaping concept is a rainwater control system that helps reducing peak rate of run-off from the site. See annexe 1: Urbanscape Performance Evaluation Tool.	3 points

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Sustainable Sites (SS)  Heat Island Reduction	To minimize effects on microclimates and human and wildlife habitats by reducing heat islands.	Increasing the landscaped portion of the site is the most effective strategy for reducing overall heat island effects.	2 points
Water Efficiency (WE)  Outdoor water use reduction	To reduce outdoor water consumption.	Landscaping concept helps projects to minimize the use of water for irrigation.	Required
Water Efficiency (WE)  Outdoor water use reduction	To reduce outdoor water consumption.	Landscaping concept helps projects to minimize the use of water for irrigation.	2 points
Materials and Resources (MR)  Building Product Disclosure and optimization. Material Ingredients	To reward project for which the products chemical ingredients are inventoried.	Urbanscape Green Roll contains no ingredients listed on the REACH Authorization or Candidate list, nor Substances of Very High Concern list. See annexe 2: REACH compliance letter.	1 point
Indoor Environmental Quality (IEQ)  Quality Views	To give building occupants a connection to the natural outdoor environment by providing quality views.	Landscaping concept can provide occupants views of flora.	1 point

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Pilot Credit



Whole Project
Water Use Reduction

To reduce indoor and outdoor water consumption of the entire project.

Landscaping concept helps projects to minimize the use of water for irrigation, and maximize rainwater harvesting and management

10 point

Pilot Credit



Enhanced
acoustical performance.
Exterior noise control

Reduce impact of environmental noise from building and/or site on community noise which can help mitigate sleep disturbance and general annoyance.

Landscaping concept helps projects to minimize exterior noise reverberation.

1 point

Pilot Credit



Local Food
production

To improve human health and well-being and increase community involvement in, and education about, food production.

Providing a dedicated portion of the site for onsite food production: gardens or planters with vegetables and/or edible nut- and fruit-bearing plants appropriate to the site

1 point

Pilot Credit



Quality Views in
nonregularly occupied
spaces

To give building occupants a connection to the natural outdoor environment by providing quality views.

Landscaping concept can provide non regularly occupied space views of flora.

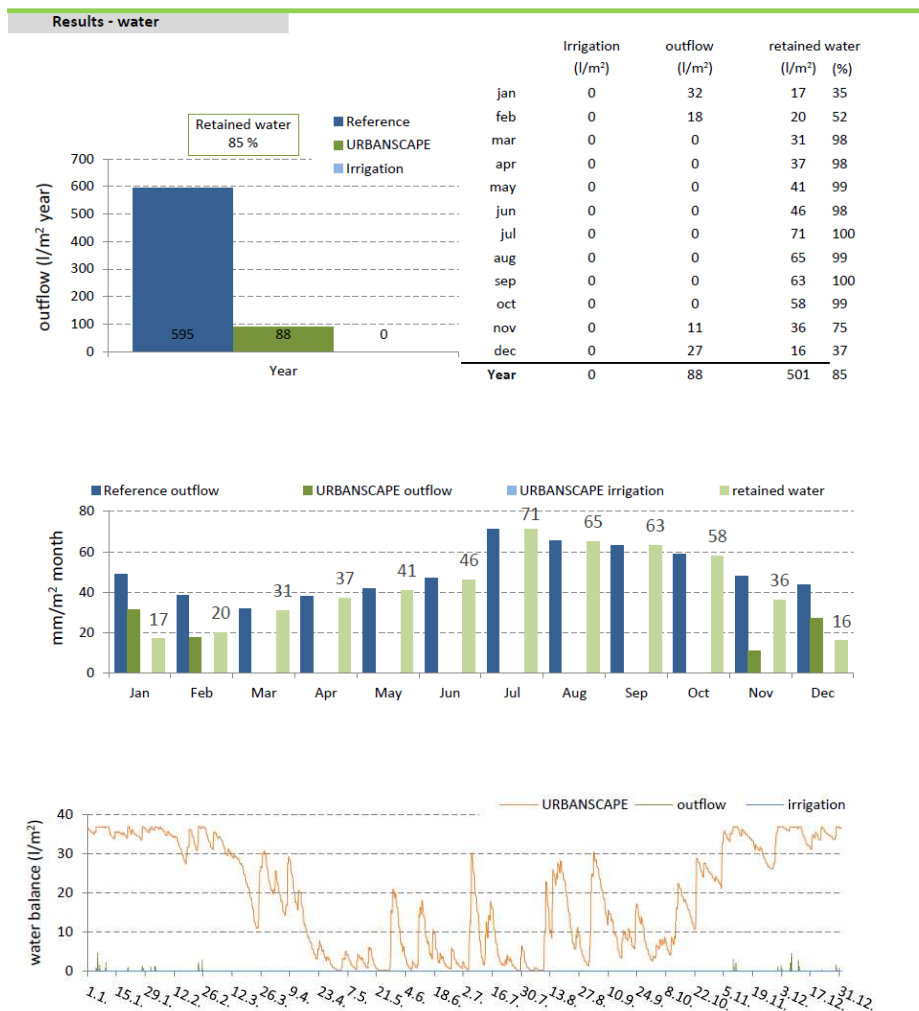
1 point

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Annexe 1: Urbanscape Performance Evaluation Tool.




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Annexe 2: REACH compliance letter



Subject : Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); Regulation (EC) No 1907/2006.

Dear Customer

Thank you for your enquiry with regard with regard to the following products: –

- Urbanscape HTC Green Roll.

Knauf Insulation has registered Mineral Wool Insulation; manufactured or imported by the following legal entities and used in the manufacture of the products listed above, under the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); Regulation (EC) No 1907/2006.

- Knauf Insulation D.O.O – Skofja Loka, Slovenia


The registered fibres meet the following definition:-

- **EC number:** 926-099-9
- **Definition:** Man made vitreous (silicate) fibres with random orientation with alkaline and alkali earth oxides ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content greater than 18% by weight and fulfilling one of the nota Q conditions.
- **Public name:** MMVF note Q fibre
- **Classification:** Not classified (manmade vitreous (silicate) fibre with and index number of 650-016-00-2 fulfilling one of the note Q conditions in the Classification, labelling, packaging regulations (CLP) (EC) No 1272/2008, as amended in regulation (EC) No 790/2009 and thus exempted from classification.

The registration is confirmed by the receipt of registration numbers for each of the listed legal entities by The European Chemical Agency (ECHA). The registration numbers are included on the relevant company product safety data sheets.

Knauf Insulation mineral wool products do not contain any substance of high concern (SVHC) in concentration above 0.1% w/w, Asbestos or Crystalline silica. Furthermore Knauf insulation mineral wool products do not contain any substances listed in the Annex XVII of the REACH regulation.

If you have any questions please do not hesitate to contact us; details below



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URBANSCAPE HTC GREEN ROLL REACH DECLARATION – OCTOBER 2015

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