Urbanscape

Green Cubes

March 2014

Description

Urbanscape Green Cubes are bio-soluable water absorbent growing medium made of virgin rock mineral wool.

Urbanscape Green Cubes are used primarily as a soil enhancement product for horticulture applications, but are also commonly used in landscaping architecture and agriculture in order to improve water holding capacity and aeration.

Installation

- Use alone as a growing medium in pots.
- Mix with other pot media (soil, coconut fibres, peat) to improve water holding capacity and aeration.
- Mix into sandy or loamy garden soil to improve water absorption and water storage capacity.

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Above and beyond

Technical Properties of Urbanscape Green Cubes

Characteristics	Value	Unit	Standard
Ignition loss	max. 0.2	%wt	
Moisture content	max. 0.05	%wt	
Fibre diameter	approx. 4.5	µm	SK_109
Cube size	10 or 20	mm	
Colour	Grey/Green		

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

Urbanscape Green Cubes Benefits

- **High water conservation**
- **Reduced irrigation frequency**
- **Reduced fertilizer consumption**
- **Improved root growth**
- **Stronger plants**
- **Efficient installation**
- **Sustainability**

Performance Testing

After adding Urbanscape Green Cubes to the substrates to form 50:50 mixture, the following average statistically significant increases in water absorption were recorded:

1. Mixture of regular garden soil and Urbanscape Green Cubes: +40%
2. Mixture of peat and Urbanscape Green Cubes: +73.5%
3. Mixture of sand and Urbanscape Green Cubes: +66%

Results show that mixtures with the addition of Urbanscape Green Cubes, which are highly absorbent additives, are suitable for growing plants in hot and dry climates. The root ("growth") layers of the substrates are absorbing more rainfall or irrigated water and the necessity for watering cycles is reduced. Additionally, when adding Urbanscape Green Cubes, the weight of substrate (dry or wet) is substantially reduced.

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