

Canopia Extensive Substrate

The Canopia Extensive Substrate is designed to support sedum, wildflower and grass species on BMI Canopia extensive green roof systems. The substrate is designed to be free-draining yet water retentive.

INTENDED USE

The Canopia Extensive Substrate is to be used in conjunction with the other relevant and specified components of the Canopia extensive green roof system. It can be used on flat (with min designed fall of 1:40) and sloping roofs up to 5 degrees. If slopes greater than 5 degrees are required, then advice relating to retaining the system should be sought from BMI Icopal Technical Services.

The roof deck and any associated planters should have sufficient drainage points to drain away water and prevent ponding, or substrate saturation. In order to meet GRO and DCLG guidelines the total growing substrate depth should be at least 80mm.

INSTALLATION SUMMARY

Install the substrate over the top of the Canopia Filter Fleece to the settled depth as specified. The substrate layer is levelled off using shovels and rakes, and should be firmed down before the vegetation is installed. Towards the edges begin to camber the substrate depth down to prevent a "square edge", this reduces the likelihood of the substrate from blending in to the Canopia Washed Pebble border (if present).

Please allow at least 20% extra substrate for settlement.

The substrate should be installed in a dry or damp state, never when saturated as this can lead to compaction issues during installation.

TECHNICAL SERVICES

For further information and technical support, please contact our technical services team:

T: +44 (0) 330 123 4585

E: technical.uk@bmigroup.com



PRODUCT DATA

Product Codes	20000448 - 1.25m ³ bags 20000986 - 25kg bags
Material (main components)	Expanded shale, expanded clay, lava, pumice, crushed brick, Porlith and green waste compost. Composition variable depending on the region.
Dry weight (compacted)	Min. 750 kg/m ³
Saturated weight (compacted)	- 1,140 - 1,440 kg/m ³
Maximum water capacity	≥ 35% volume
pH value	6.0 - 8.5
Salt content	≤ 3.5 g/L
Water permeability	≥ 0.6 mm/min
Compaction factor	1.2
Organic substances	< 65 g/L (approx. 4-5% by weight)
Total pore volume	> 60 - 70% volume
Delivery form	Loose bulk in a tipper 1.25m ³ bulk bags 25kg sacks



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Product, technical standards and codes of practice are under constant review. We reserve the right to change and amend products and information without prior notice. For the latest information, suitability and specification advice, please contact BMI Icopal technical services team.