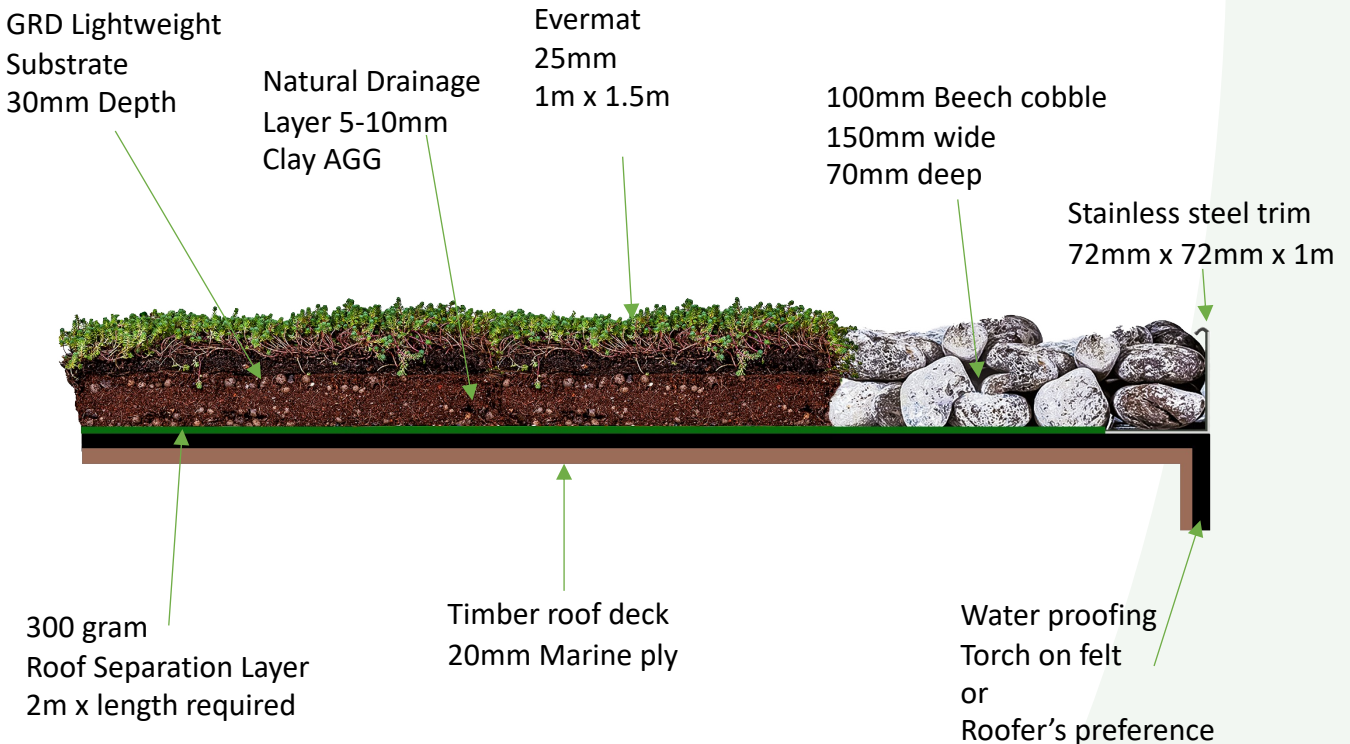


Green Roofs Direct

Lightweight System Specification



Lightweight System Specification

consisting of: .

Separation Fleece, Growing Medium with Natural Drainage and Sea Hardened Sedum Blanket.

Optional extras include trims and pebbles. Waterproofing and plywood deck are supplied by third parties

Separation Layer:

EN 9864

**Static puncture
Drainage layer:** 2100 g/m² (- 120 g / + 100 g)

Separation Layer: 300 g/m² (- 3 g / + 5 g)

EN 12236

Drainage layer: 1800 N
Filter fleece: 1600 N

Water permeability

EN 11058

**normal to the plane
(V H50)** 0.11 m/s (± 0.01)

Application conditions / Limits:

Temperature The use of Drainage Layer 30 is limited to geographical locations with average monthly minimum temperatures of -50 °C. Permanent ambient temperature during use is limited to +50 °C.

Growing Medium:

Lightweight substrate

Product		BKAQ50 (90/10)
pH (1:5)		5.5-6.5
Mesh	Mm	NA
Sand	%	<2
Moisture	%	<20
Mix	Coco Pith	75%
	Horticultural Grit	5%
	Short Fibre 5-30mm	10%
Fertilizer	3-4 month slow release granule	50g/m ³
	12-14 month slow release granule	50g/m ³

Mix Coir, horticultural grit, sand, slow release fertilizer, zero organic content, zero peat

Total pore volume > 30-40 Vol %

Max water capacity ≥ 75% Vol

Key data

Dry weight approx. ≤ 0.019 g/cm³

Water saturated ≤ 0.04 g/cm³

Organic content ≥ 0 g/L

pH value 5.5

Compression factor 1,2

Drainage 5-10mm lightweight expanded clay aggregate

Vegetation Layer:

Please see datasheet for information

Ecology, Health and Safety information

The product does not fall within the EC-regulation of hazardous goods. As a result, a material safety data sheet following EC-Guideline 91/155 EWG is not needed to bring the product to the market, transport or use it. The product does not damage the environment when used as specified.

Sedum Blanket Datasheet

Carrier Predominately rotttable Cocomat with geo textile weave

Substrate GRD Extensive field mix 75% Coir

Vegetation Composition Sedum Acre Aureum, Sedum Album Coral Carpet, Sedum Album mini, Sedum Album Athoum, Sedum Hispanicum, Sedum Summer Glory, Sedum Reflexum, Sedum Weihenstephaner Gold, Sedum Voodoo

Vegetation Coverage Vegetation coverage

Thickness 2.5cm -4.5cm

Water saturation weight 18-22kg/m²

Standard size 1m x 1.5m

Fire Certification

Broof T4: UK BS 476:Part 3:2004.

The evermat core system as described in and under the conditions of the test is classified in class EXT F.AA according to the British Standard BS476 Part 3. We achieved a AA rating for surface spread of fire.