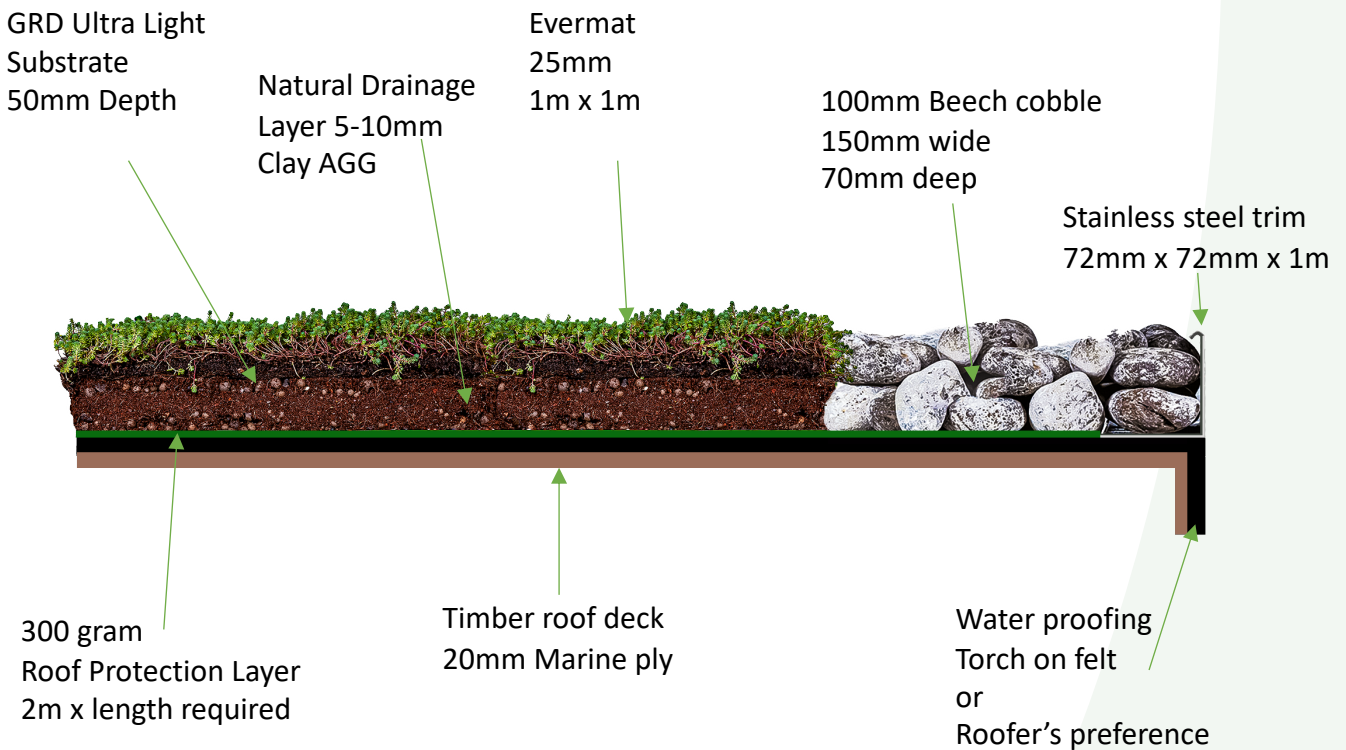


# Green Roofs Direct Core System Specification



# Evermat Core Specification

## consisting of: .

Protection 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

## Filter Fleece:

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### EN 9864

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**Static puncture  
Drainage layer:** 2100 g/m<sup>2</sup> (- 120 g / + 100 g)

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**Filter fleece:** 145 g/m<sup>2</sup> (- 3 g / + 5 g)

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### EN 12236

Drainage layer: 1800 N  
Filter fleece: 1600 N

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## Water permeability

EN 11058

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

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## 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 <sup>3</sup>
	12-14 month slow release granule	50g/m <sup>3</sup>

**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. ≤ 0.034 g/cm<sup>3</sup>

Water saturated ≤ 0.070 g/cm<sup>3</sup>

**Organic content** ≥ 0 g/L

**pH value** 5.5

**Compression factor** 1,2

**Drainage** 5-10mm lightweight expanded clay aggregate

## Vegetation Layer:

Please see data sheet 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.

## 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.

Vegetation Layer Data Sheet	Pre Grown Blanket
	Wildflower Wild Grass and Sedum Bio Diversity Blanket

A pre cultivated Irish grown vegetated blanket containing 44 species of wildflower, sedum and wild grass. Carefully formulated to provide interest and natural balance on extensive green roof build-ups. Grown on a biodegradable coir carrier layer.

Physical Properties	
Composition	Base coir woven blanket, 20mm bio diversity mix substrate, plants grown from native provenance seed
Total Height	50mm plant height, pre mown before delivery, fully established height to c.1000mm
Weight Dry Weight Wet	7kgs 20kgs
Consignment size	36m2 per pallet
Colour	Seasonal Variation
Size	1m x 1m tiles



## Species sown:

Birdsfoot trefoil	Lotus corniculatus	Black meddick	Medicago lupulina
Bladder campion	Silene vulgaris	Common vetch	Vicia cracca
Corn marigold	Chrysanthemum	Segetum	Papver rheas
Corncockle Agrostemma githago	Cornflower centaurea cyanus	Cowslip primula veris	Devil's-bit scabious
Succisa pratensis	Field scabious	Knautia arvensis	Foxglove digitalis purpurea
Anthyllis vulneraria	Lady's bedstraw	Galium verum	Lesser knapweed
Centaurea nigra	Majoram origanum vulgare	Ranunculus acris	Meadow buttercup
Meadow cranesbill	Geranium pratense	Lathyrus pratensis	Meadowsweet filipendula ulmaria
Mullein Verbascum Thapsus	Musk mallow malva moschata	Ox-eye daisy	Leucanthemum vulgare
Red campion	Silene dioica	Red clover	Trifolium pratense
Ribwort plantain	Plantago lanceolata	Rough hawkbit	Leontodon hispidus
Scented mayweed	Matricaria chamomilla	Sefl-heal prunella vulgaris	St.johns wort
Hypericum perforatum	Teasel dipsacus fullonum	Daucus carota	Woundwort stachys palustris
Yarrow achillea millefolium	Yellow agrimony agrimonia eipatoria	Yellow rattle Rhinanthus minor	Browntop bentgrass
Agrostis capillaris	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	Creeping red fescue rubra	Loralalis chewingis fescue festuca rubra

Full System Description	
Green Roofs Direct Irish provenance Bio diversity Wildflower wild grass and sedum is designed to provide the longest possible flowering period with continued plant growth and coverage throughout the year.	
System Considerations	Standard drainage base layer, 50mm extensive substrate
Maintenance guidelines	Green Roofs Direct recommend two visits per year, spring remedial and trimming in Autumn, after flowers have seeded.