



## Q37 – Bramley House






Sedum Blanket & BioDiverse Green Roof System - Warm Roof Application

REV:01

DATE: 12/1/22

DO NOT SCALE



 Vegetation 1	ECO GREEN ROOFS			
	 Vegetation 2	3 Rays Farm Barns Roman Road		
	 Cobbles 500mm	Ingatestone Essex CM4 9EH		
 Trim	Project:	Drawing:	Revision:	
	00003817 Bramley House	EGR-00003817	-	

## Environmental Management Systems

EGR can demonstrate that their products are compliant and certified with the Environmental Certification Schemes.

BS EN ISO 14001 Environmental Management System (independently certified) for key processes and supply chain/extraction processes.

## Products

### Drainage Layer

- Manufacturer: Eco Green Roofs Ltd Unit 3 Rays Farm Barns, Ingatestone, Essex CM4 9EH Tel: 01277 355705 Web: [www.egr.co.uk](http://www.egr.co.uk)
  - Material: HIPS
  - Depth: 20mm
  - Water Storage: 4L/m<sup>2</sup>
  - Dry Weight: 1.7kg/m<sup>2</sup>
  - Compressive Strength: 220 kN/m<sup>2</sup>
- Infill: Not required

### Filter Membrane

- Manufacturer: Eco Green Roofs Ltd Unit 3 Rays Farm Barns, Ingatestone, Essex CM4 9EH Tel: 01277 355705 Web: [www.egr.co.uk](http://www.egr.co.uk)
- Material: Thermally strengthened non-woven polypropylene
  - Mass: 0.120 kg/m<sup>2</sup>
  - Thickness: 2mm

### Extensive Growing Medium

- Manufacturer: Eco Green Roofs Ltd Unit 3 Rays Farm Barns, Ingatestone, Essex CM4 9EH Tel: 01277 355705 Web: [www.egr.co.uk](http://www.egr.co.uk)
- Material: Lightweight crushed brick & expanded clay substrate. Inorganic and organic growing medium consisting of crushed brick, expanded clay and organic matter of composted bark fines
- Depth: 60mm deep substrate for Sedum - 80mm deep total root zone - 90mm deep for BioDiverse shaded Areas
- Declaration of analysis: Submit.
  - Porosity: 63%
  - Water Holding Capacity: 25-30%
  - Bulk Density DIN EN 1097-3: 850 T/m<sup>3</sup>
  - Density at Max Water Holding Capacity: 1.25 T/m<sup>3</sup>
  - PH Value: 7.0 – 8.0

## Vegetation – Sedum Mat

- Manufacturer: Eco Green Roofs Ltd Unit 3 Rays Farm Barns, Ingatestone, Essex CM4 9EH  
Tel: 01277 355705 Web: [www.egr.co.uk](http://www.egr.co.uk)
- Planting Mix: Various sedum species on a pre-established blanket; see Eco Green Roofs Ltd 'Sedum Blanket Species' planting list for details
- Vegetation Coverage: 90% minimum

## Vegetation – BioDiversity Wildflower Grasses Seed Mix

- Manufacturer: Eco Green Roofs Ltd Unit 3 Rays Farm Barns, Ingatestone, Essex CM4 9EH  
Tel: 01277 355705 Web: [www.egr.co.uk](http://www.egr.co.uk)
- Planting Mix: Various species sown into the substrate
- Vegetation Coverage: 3 g/m<sup>2</sup>

## Edge Retaining/Separating Profile

- Manufacturer: Eco Green Roofs Ltd Unit 3 Rays Farm Barns, Ingatestone, Essex CM4 9EH  
Tel: 01277 355705 Web: [www.egr.co.uk](http://www.egr.co.uk)
- Material: Aluminium
  - Description/Profile: Slotted; 2.4m length
  - Height: 80mm (subject to system build-up/depth)
  - Connectors (riveted)

## Inspection/Access Chambers – N/A. hopper outlets

- Manufacturer: Eco Green Roofs Ltd Unit 3 Rays Farm Barns, Ingatestone, Essex CM4 9EH  
Tel: 01277 355705 Web: [www.egr.co.uk](http://www.egr.co.uk)
- Material: Aluminium
  - Dimensions: 300x300mm
  - Height: 100mm
  - Colour: Black
- Access Covers: Aluminium
- Features: 300x 300mm flange attached for stability and to lap filter sheet. 300mm cobble surround.

## Vegetation Barrier

- Material: Rounded washed pebbles (20-40mm)
  - Depth: 50mm deep
  - Width: 500mm deep or where shown on drawings

Please note the systems above are designed for the minimum wind uplift requirement for inverted roof system of 80kg/m<sup>2</sup>. Specific site and roof specific calculations may alter the above system depths.



## Execution

### Installation Generally

- Preparation: Clear all surfaces of debris
- Timing: After certification of waterproof membrane integrity
- Surface condition: Visually inspect waterproof membrane, report any damage
- Faults in waterproof membrane: Report prior to commencement of works
- Contamination: Do not use materials detrimental to healthy growth of plants
- Storage: Do not overload – point loads avoid
- Outlets: Do not block
- Outlet grilles: Installed

### Adverse Weather

- Unfinished work: Secure for damage and wind uplift
- Conditions: Do not install or work with frozen materials

### Drainage Layer Installation

- Extent: Loose lay continuously over areas that will be vegetated
- Fitting: Close butt-joint boards or rolls; staggering joints if applicable
- Upstands: Cut to fit from penetrations and outlets, using a retractable knife

### Filter Membrane Installation

- Extent: Loose lay continuously over entire roof area
- Fitting: Loose laid (bonded to drainage board)
- Joints: Minimize
  - Overlaps (minimum): 150mm overlap excess on drainage roll

### Growing Medium Installation

- Handling: Minimize handling. Deliver to roof in small sacks, bulk bag, or pump, spreading the specified depth on to filter sheet, allowing for a settlement factor of 20%
- Conditions: Handle in the driest condition possible. Do not handle or install when wet or frozen
- Layers:
  - Depth (Max): 60mm deep (sedum), 100mm (biodiverse)
  - Sequence: Gently firm each layer before spreading the next. Rake smooth and flat. Aerate before laying.

### Vegetation Installation

- Handling Blankets
  - Extent: Continuous over area to be planted
  - Timing: Not to be installed if temperature is below 0°C
  - Storage: Must be stored in a cool and shaded area; not to be stacked vertically or excessively
- Application

- Sedum blankets to be installed within 48 hours of delivery. Roll out already grown blankets. Irrigate to saturation.
- Watering: Thoroughly, after laying and account for climatic variation and seasonality
- Seed: Hand Cast 3g/m<sup>2</sup>

## Irrigation

- Irrigation is highly recommended for 8-10 weeks of initial establishment and dry spells. EGR offer temporary and permanent irrigation systems. If temporary irrigation is taken out with EGR then ongoing irrigation after initial establishment will be the responsibility of others.

## Edge Retaining Profile Installation

- Cutting: Neat, accurate and without spalling
  - Junctions: vertical, secured using proprietary connectors
- Position: True to line and level. Smooth continuous lines
- Fixing: Loose laid onto fleece with cobbles ballasting the horizontal leg
- Suitable for pitched roofs of 5 degrees or less

## Inspection Chamber Installation – N/A hopper outlets

- Location: Install centrally over rainwater outlet
  - Orientation: Align parallel with adjacent features
  - Bedding: Position flanges on to crowns of drainage layer
  - Backfill: Ballast flanges with pebbles
- Surround: 300mm diameter circle/square of 20-40 rounded pebbles

## COMPLETION

### Inspection

- Timing: Prior to handover
  - Notice period (minimum): 3 working days

### Completion

- General: Leave the works in a clean and tidy condition
- Surfaces: Clean immediately prior to handover
- Outlets: Clean and clear of any obstructions
- Completed green roofs: Protect from adjacent or high level working as best as possible

## Documentation

- Timing: Submit at handover
- Contents:
  - Growing Medium declaration of analysis
  - Manufacturer's guarantees and warranties
  - Maintenance Procedures
  - Record Drawings showing the location of planting and associated features

- Number of copies: 2

## **Green Roofs Maintenance Procedure Based on 2 visits per Annum**

This set of procedures is a guide outlining the minimum maintenance measures required to keep a green roof in its designed state.

An Eco Green Roofs Ltd system is designed to meet specific client requirements for any project and will provide a long-term solution with varying habitats at roof level. With some basic maintenance, the roof will continue to deliver the intended environmental benefits.

Most living roofs contain a plant community with a variety of native species to meet local planning and building code requirements. However, some roofs can also be designed to meet aesthetic design criteria.

### **General Maintenance**

The plant selection on each project includes a species mix which will provide a balanced plant community on the roof. This will require basic maintenance to ensure a sustainable system for the long term.

Living roof maintenance is best carried out twice to four times annually, during springtime and in late autumn, or as required. Monitoring/controlling the effect of leaf litter to the vegetation is important; this can be deemed to be beneficial to biodiversity, but may need to be removed if this begins to affect plant life.

The following procedures should be carried out to ensure the roof is well maintained. Failure to provide maintenance may result in the invalidation of guarantee(s).

**Note:** - specifically-designed living roof areas should be disturbed as little as possible whilst maintenance is carried out. This is to try not to upset any microhabitats which may have colonised on the roof.

### **Preliminary Maintenance:**

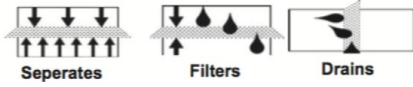
- Ensure safe access can be gained to the roof and that all relevant health and safety procedures are followed at all times.
- Eco Green Roofs Ltd recommends the removal of leaf litter which has fallen from any surrounding trees, particularly during spring and autumn. This is to prevent the leaves from smothering the vegetation.
- To remove excess bio-mass, trim any dead vegetation. This should be subsequently removed and disposed of at ground level.
- Check all trims are fixed securely.
- Ensure any new items of plant or machinery have a necessary fire break between them and the vegetation.
- Should there be any damage to the vegetation or green roof system generally, Eco Green Roofs Ltd should be contacted immediately.
- Ensure all outlets are unblocked and the roof is able to drain freely. This is of particular importance since 'waterlogging' can be as damaging to a wildflower sward as drought. Drainage outlets should be inspected regularly to ensure drainage outlets are working as designed. This will help keep the roof moist but not waterlogged.

## Maintenance on the Vegetation and Green Roof System

- Removal of any unwanted vegetation that may have encroached the drainage outlets, walkways or Firebreaks.
- If any movement or settlements to the fire/vegetation break has occurred, these areas should be topped up with more pebbles.
- Remove any tree saplings.
- Green roofs are generally left to grow naturally, taking their own course. If there are certain plant types that are un-desirable, these can also be removed.
- Fertiliser can be added as a last resort if plants are looking distressed.
- We would suggest the removal of invasive plant types, including but not limited to tree saplings, nettles, wild grasses, thistles and buddleia.
- If the vegetation grows in excess of 250-300mm we recommend this should be trimmed back to 75-100mm. High growth suggests a high nutrient level present in the substrate; although this is blended to be low-nutrient or to stop such growth, this must be monitored to keep the biodiversity high (cuttings should be bagged up and removed from the roof to prevent the release of nutrients back into the substrates.
- Although irrigation is not needed regularly, a water point should be present at roof level. During particularly dry periods, watering the system may be necessary to avoid drought stress.

\* These guidelines should be used for reference only. Eco Green Roofs Ltd will not accept any responsibility for a roof which is not under a maintenance contract with Eco Green Roofs Ltd.





## Drainage Board with Filter Fleece

**Product code:** EGR DBR20 **Reference Standard:** EN 13252, CE

### Description

A rigid and durable 20mm drainage board multi-functionally designed to act as both a drainage layer and for water-retention. EGR DBR20 allows for excess water to drain away therefore preventing the water logging of the substrate. The reservoir properties allow the water storage cells to retain additional water that can be diffused to the plants during prolonged dry periods (more than six weeks without rain). EGR DBR20 performs in line with requirement set forth by German FLL Guidelines and The GRO Green Roof Code.

### Composition

High Density Poly Ethylene (HDPE) bonded to a geotextile filter.

### Application

Suitable for sedum, wildflower, biodiverse roofs, and podium and roof garden applications as part of an EGR system. The product is resistant to root penetration.

### Fire Compliance

Product has been tested as part of a system to BS EN 13501-5:2016 and compliant to Broof(t4) classification.

### Packaging

Boards are stacked on a pallet with a quantity of up to 200.

### Dimensions

2000 x 1000 x 20mm (L x W x H).

### Testing

Tested to UKAS accredited ISO 17025 laboratory to all mechanical properties.



Technical Data	Test	Unit	Mean Values		
<b>Mechanical Properties - Geocomposite</b>					
Compressive strength	EN ISO 25619-2	kPa	115		
Tensile strength (MD/CMD)	EN ISO 10319	kN/m	17		
Static puncture (CBR)	EN ISO 12236	kN	2.6		
<b>Hydraulic Properties - Geotextile</b>					
Water permeability $V_{H50}$	EN ISO 11058	$l/(m^2 \cdot s)$	100		
Apparent opening size	EN ISO 12956	$\mu m$	80		
<b>Hydraulic Properties - Geocomposite</b>					
Water flow capacity in the plant	EN ISO 12958	$l/(m^2 \cdot s)$	(i=1)	(i=0.5)	(i=0.1)
@20kPa			10.0	8.0	5.0
@100kPa			9.0	6.0	3.5
@200kPa			5.0	2.0	1.0
Water storage capacity		$l/m^2$	4		
<b>Physical Properties</b>					
Thickness @ 2kPa	EN ISO 9863-1	mm	21		
Standard colour - Cuspate			Black		
Polymer - Cuspate			HDPE		
Polymer - Textile			PP		

The above information is issued in good faith and without warranty and is intended as a guide only. The information comprises typical data and does not constitute a specification.



## Filter Fleece

Product code: EGR F

### Description

Filter fleece layer prevents contamination of substrate from entering the drainage components. UV stabilised and optimised for maximum strength and performance – not mass.

### Composition

Nonwoven geotextile manufactured from 100% virgin polypropylene high tenacity fibres, needle-punched and heat treated

### Application

Suitable for sedum, wildflower, biodiverse roofs, and podium and roof garden applications as part of an EGR system.

### Fire Compliance

Product has been tested as part of a system to BS EN 13501-5:2016 and compliant to Broof(t4) classification.

### Dimensions

10000 x 113mm (L x W)

### Packaging

Supplied as rolls on a pallet



Technical Data	Test	Unit	Mean Values
<b>Mechanical Properties</b>			
Static puncture	EN ISO 12236	kN	1.4
Tensile strength (MD/CMD)	EN ISO 10319	kN/m	9.0 / 9.8
Tensile Elongation (MD/CMD)	EN ISO 10319	%	60 / 65
Cone drop	EN ISO 13433	mm	32
Protection efficiency	EN ISO 13719	kN/m <sup>2</sup>	-
<b>Filter Properties</b>			
Apparent opening size	EN ISO 12956	µm	80
Water permeability V <sub>H50</sub>	EN ISO 11058	l/(m <sup>2</sup> •s)	100
<b>Physical Properties</b>			
Thickness @ 2kPa (nominal)	EN ISO 9863-1	mm	0.8
Standard colour	White		
Polymer	100% polypropylene		
<b>Durability</b>			
Weathering 50 MJ/m <sup>2</sup> (1 month)	EN ISO 12224	>90% Retained Strength	
Oxidation resistance	EN ISO 13438	Predicted to be durable for service lives up to 50 years in natural soils with 4 ≤ pH ≤ 9 and soil temperatures ≤ 25°C	

#### Notes:

- Mean values indicate the arithmetic mean derived from the samples taken for any one test as defined in the standard – usually an overall mean of five samples. Mean values are subject to tolerances based on 95% confidence limits as published on the product CE declaration of performance.
- Nominal value (indicates an average manufacturing norm and not a controlled performance parameter)
- MD: Machine Direction (longitudinal to the roll)
- CMD: Cross Machine Direction (across the roll)
- Tensile testing is performed using extensometers.

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## Biodiverse Growing Medium

**Product code:** EGR GMBIO **Reference Standard:** Peat-free product and test results are compliant to BS 8616:2019

### Description

A blend of water retaining aggregates to provide a biodiverse substrate to meet client specification. EGR GMBIO performs in line with requirement set forth by German FLL Guidelines and The GRO Green Roof Code.

### Composition

Substrate is composted material from sustainable sources, that includes recycled 14-5mm crushed brick, lightweight clay aggregate and fine grade 10mm pine bark (certified to PAS 100).

### Application

A biodiverse substrate-based environment is used to offer a habitat in synchronisation with the surrounding local area, offering ideal conditions for colonisation by neighbouring plant and animal species. All the materials used within its manufacture are from a responsibly sourced recycled origin within the United Kingdom (100% recycled material free from Phytotoxic contaminants). A wider range of plants can be utilised in this substrate compared to extensive roofs to support flora and fauna. Seed mixes are applied as part of a biodiverse system encompassing wildflowers and grasses. The substrate is versatile and free draining and contains greater organic content, below 20%, in line with GRO to enhance biodiversity.

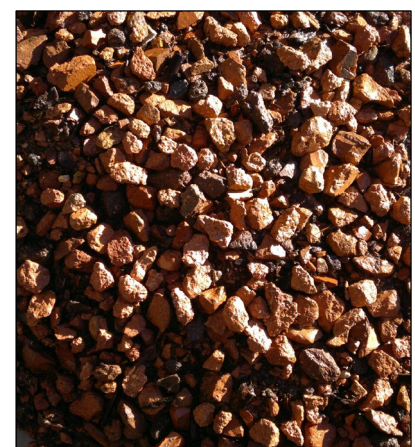
### Fire Compliance

Product has been tested as part of a system to BS EN 13501-5:2016 and compliant to Broof(t4) classification.

### Packaging

Available in bulk bags and 25Ltr sacks

Technical Data	Value	Unit
Depth suitability	60 - 250	mm
Loose bulk density	800 - 900	Kg/m <sup>3</sup>
Loose bulk density saturated	1060-1125	Kg/m <sup>3</sup>
Particle size Less 0.063mm	< 15 (by mass)	%
Particle size 2-20mm	= 30-60 (by mass)	%
Water holding capacity	> 45	%
Salt content	< 2.5	g/l
Water permeability	0.0005	cm/s
pH value	6.5 – 8	
Organic matter	Less than 20%	



Biodiverse Growing Medium

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## Sedum Blanket

Product code: EGR SB

### Description

Up to 9 carefully selected sedum species as part of a pre-cultivated vegetation blanket. EGR SB performs in line with requirement set forth by German FLL Guidelines and The GRO Green Roof Code.

### Composition

The base is a geotextile fabric carrier membrane with 25mm substrate base on top in which the vegetation is embedded.

### Application

Pre-grown for use on extensive green roofs, podiums and roof gardens. The mixed species incorporated within the blanket are drought tolerant. To be used in conjunction with other components to create a low maintenance sedum green roof system.

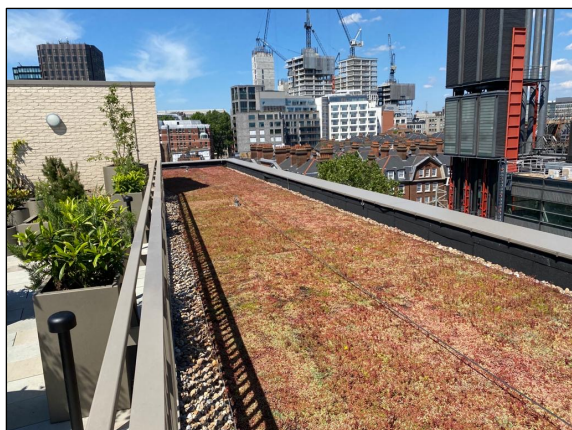
### Fire Compliance

Product has been tested as part of a system to BS EN 13501-5:2016 and compliant to Broof(t4) classification.

### Packaging

Supplied in rolls on pallets

Technical Data	Value	Unit
Total height	20-50 plant height	mm
Weight (dry)	18	kg/m <sup>2</sup>
Weight (saturated)	25	kg/m <sup>2</sup>
Consignment size	40 per pallet	m <sup>2</sup> (typical)
Size	2.1 x 1	m <sup>2</sup>
Colour	Variation due to mixed species	



Sedum blanket installation





## Sedum Species



### SEDUM ACRE AUREUM

This mat-forming sedum is composed of tiny bright green leaves on short, ascending stems. It spreads itself, making it ideal for lush, bright coverage on a green roof. Its leaves are bright green with young yellow growth and there are starry yellow flowers in late spring and summer that come at the tips of the stalks.

**Height:** 100mm **Hardiness:** Fully hardy  
**Spread:** 250mm **Conditions:** Sun/rain



### SEDUM ALBUM CORAL CARPET

Coral Carpet is a mat-forming, evergreen Sedum with small, fleshy, red flushed leaves come alive in late spring to early summer with pink-tinted, white star-shaped flowers. Coral Carpet foliage is Green, Flushed red in All seasons. The use of this in our Sedum Blanket means vibrant and full colour all year round.

**Height:** 50mm **Hardiness:** Fully hardy  
**Spread:** 250mm **Conditions:** Sun/rain



### SEDUM ALBUM ATHOUM

The species is green foliage, with starry white or pink blooms held on wiry stems. Sedum album needs little water once established. This is the base Sedum for our Blankets.

**Height:** 50mm **Hardiness:** Fully hardy  
**Spread:** 300mm **Conditions:** Sun/rain



### SEDUM ALBUM MINI

The fact that this plant was originally found in the Faro Isles should tell you something about its hardiness and explains why it is so diminutive and tiny. Do not let its small size and dainty appearance fool you - this is one tough little plant. It displays all the same characteristics as Athomb.

**Height:** 50mm **Hardiness:** Fully hardy  
**Spread:** 100mm **Conditions:** Sun/rain



### SEDUM HISPANICUM

A very low, mat forming Sedum with tiny silver-blue leaves. Starry pink to white flowers. Enjoys poor, well drained growing medium so ideally suited to live in our green roof substrate. Blooms in June. Evergreen therefore maintains its colour throughout winter.

**Height:** 50mm **Hardiness:** Fully hardy  
**Spread:** 100mm **Conditions:** Sun/rain



### SEDUM SUMMER GLORY

Lovely dense carpets of dark green foliage topped with vivid coral red flowers make this Sedum a highlight of the Green Roof. Specially propagated each year in our Nursery for the blankets, it bears fleshy rounded leaves that take on reddish tints in winter. The flat terminal clusters of funnel shaped flowers appear through summer attracting bumblebees and butterflies. Adding the biodiversity element to our blankets.

**Height:** 100mm **Hardiness:** Fully hardy  
**Spread:** 250mm **Conditions:** Sun/rain



### SEDUM REFLEXUM

The low-growing evergreen, spruce-like, succulent foliage stands out beautifully in our Sedum Blankets. Yellow flowers appear in July right through until mid October. To Get this variety to reach maturity in time for sale we propagate Reflexum in plug form in our nursery and insert.

**Height:** 250mm **Hardiness:** Fully hardy  
**Spread:** 200mm **Conditions:** Sun/rain



### SEDUM WEIHENSTEPHANER GOLD

A low-growing sedum that spreads to form an attractive ground cover for green roofs. Flowers appear on reddish stems rising above the thick, triangular, succulent green leaves. The leaves turn purple in Autumn and into Winter, contrasting beautifully against the greens and blues. The clusters of star-shaped, yellow-tinted, bronze orange flowers are very attractive to butterflies and bees. An excellent selection for sites requiring extra biodiversity.

**Height:** 150mm **Hardiness:** Fully hardy  
**Spread:** 100mm **Conditions:** Sun/rain



### SEDUM VOODOO

A contrasting species with succulent leaves rising from a low growing mat. Leaves are rich deep red with a glossy appearance and held on succulent stems. This Sedum was also selected for use in our Blankets because its flowers are rich red, long lasting and borne in early autumn. Helping us achieve 8 months of flowering over our Blankets.

**Height:** 100mm **Hardiness:** Fully hardy  
**Spread:** 300mm **Conditions:** Sun/rain

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## Grass (80%) and Wildflower (20%) species

Product code: EGR GrassWldflwrSeeds

### Description

Range of grass and wildflower plant species as part of the EGR GrassWldflwrSeeds seed mix to support biodiversity net gain (BNG). Species are selected in line with an ecology report of the site to ensure a system that can support lost and new eco systems.

The following benefits of choosing EGR's wildflower seed mix:

- Development of beneficial micro-organisms
- Improves the substrate structure with nutrients and trace elements
- Help plants to grow stronger root systems leading to healthier and more vigorous plant growth
- Less chance of seeds being wind swept
- Creates a more even coverage

EGR GrassWldflwrSeeds performs in line with requirement set forth by German FLL Guidelines and The GRO Green Roof Code.

### Composition

To maximise the success rate EGR GrassWldflwrSeeds includes:

- Specifically selected UK wildflower species for Wildflower/Biodiverse Green Roofs
- Horticultural Binding Agent
- Organic Slow Release Granular Fertiliser

### Application

For use on extensive and biodiverse roofs, podiums and roof gardens. To be used in conjunction with other components to create a wildflower green roof system.

Technical Data	Value	Unit
Density	3	g/m <sup>2</sup>
Depth of substrate	75-150	mm
Colour	Variation due to mixed species	



### Wildflower Grass species:

Birdsfoot Trefoil
Black Medick
Common Knapweed
Corn Chamomile
Corn Cockle
Corn Marigold
Cornflower
Cowslip
Field Forget-Me-Not
Field Poppy
Foxglove
Goatsbeard
Greater Knapweed
Hoary Plantain
Lady's Bedstraw
Meadow Buttercup
Musk Mallow
Night-Flowering Catchfly
Ox-eye Daisy
Red Campion
Ribwort Plantain
Salad Burnet
Self Heal
Sorrel
White Campion
Wild Carrot
Wild Clay
Yarrow
Common Bentgrass
Crested Dogtail
Sheep's Fescue
Small Leaved Timothy
Smooth Stalked
Meadow Grass
Strong Creeping Red

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## River-Washed Cobbles 20-40mm

Product code: EGR COB

### Description

River-washed naturally rounded cobbles. EGR COB performs in line with requirement set forth by German FLL Guidelines and The GRO Green Roof Code.

### Composition

20-40mm rounded stones

### Application

Rounded cobbles are installed, as part of a green and biodiverse roof system, to prevent the spread of fire.

Cobbles to be installed around all penetrations and perimeters, this includes, but not exclusive to, rainwater outlets, soil pipes and rooflights. A fire break of 300mm-500mm width is the requirement, on roofs that are over 40m in length the fire break width to be 1m

### Fire Compliance

Product has been tested as part of a system to BS EN 13501-5:2016 and compliant to Broof(t4) classification.

### Packaging

Available in bulk bags and 25Ltr sacks







## Aluminium Trim – 80mm

Product code: EGR TRM80

### Description

Retention edging that mitigates contamination of growing medium/substrate and plant species from the cobble border and thereafter drainage. It is perforated to allow water to drain through to outlets and gutters.

It also completes the installation with an aesthetically neat finish by keeping the green/biodiverse roof system components in place.

EGR TRM80 performs in line with requirement set forth by German FLL Guidelines and The GRO Green Roof Code.

### Composition

Manufactured from lightweight Aluminium – powder coating is available upon request.

### Application

Suitable for sedum, wildflower, biodiverse roofs, and podium and roof garden applications as part of an EGR system. A flexible design can be supplied to accommodate curved areas.

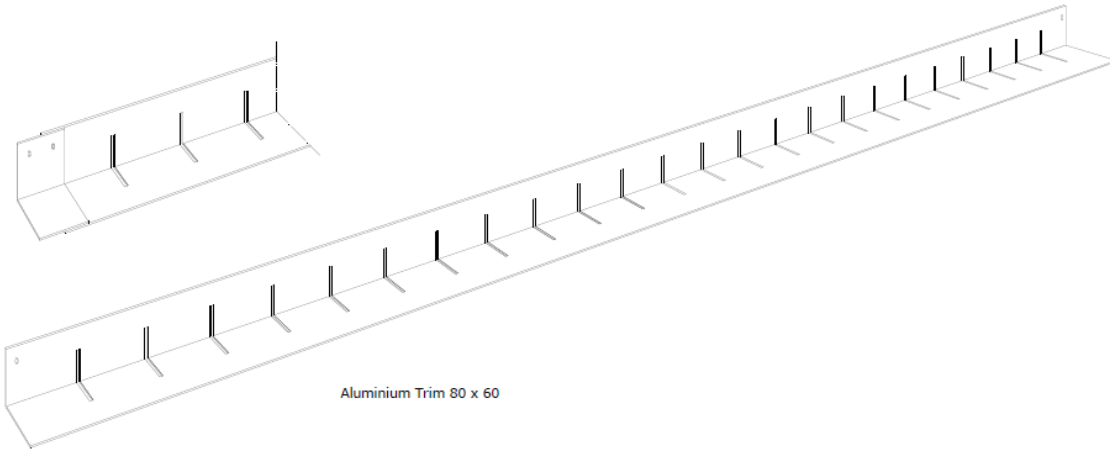
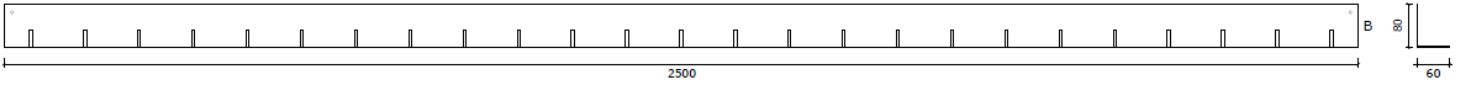
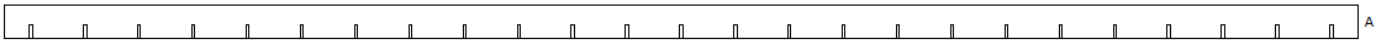
### Packaging

Delivered on pallets - shrink wrapped. Quantity is dependent on requirement.

Technical Data	Value	Unit
Thickness	2	mm
Length	2500	mm
Height	80	mm
Base	60	mm
Colour	Mill finish (unpainted)	



Turn over for trim diagram



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