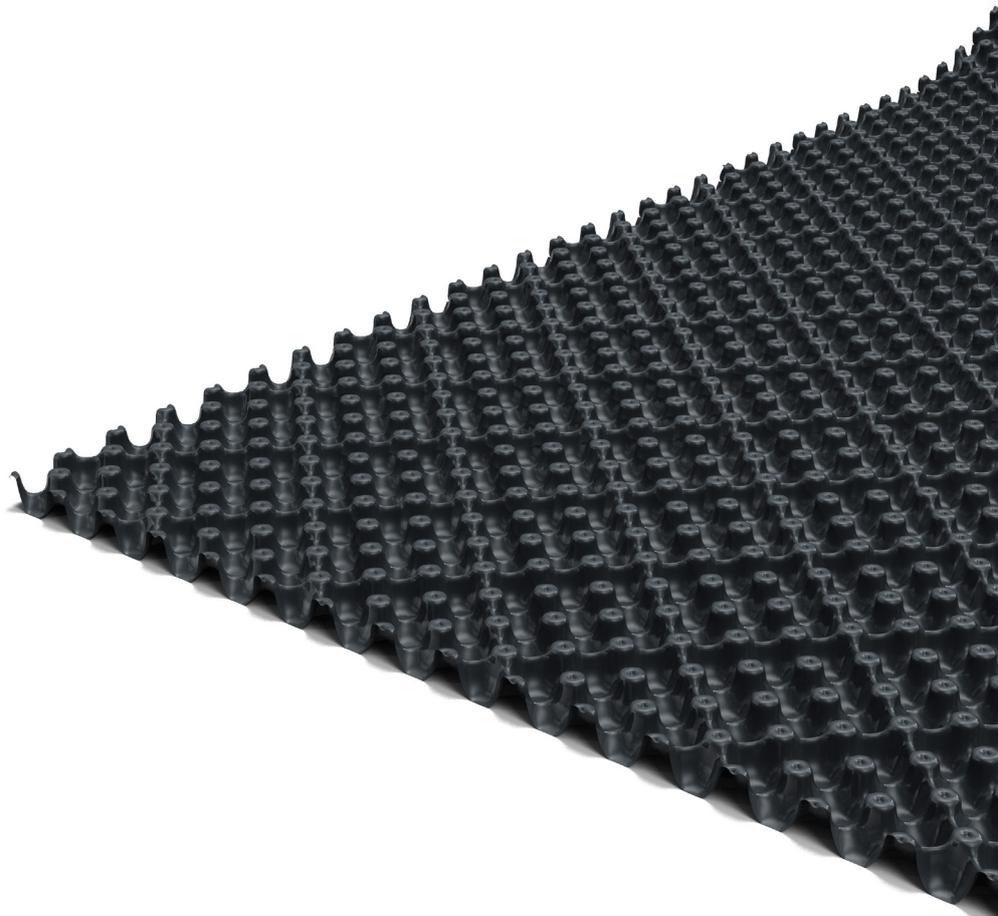


# *Med0*

## D25 Reservoir/Drainage Board

# Product Data Sheet



## Product Data Sheet

### General Information

**Radmat D25** is a drainage and water storage element for Extensive green roofing. Manufactured from recycled polystyrene Radmat D25 is chemically neutral, rotproof and resistant to mould and bacteria.

Radmat D25 is supplied in sheets 40 mm deep and is resistant to compression up to 238 kPa.

### Certificates

CE 799-CPD-53

### Installation instructions

Unroll over waterproofing membrane or protection fleece overlapping side and end laps by one cusplate.

### Delivery conditions

#### Delivery Form

Sheet

#### Storage and transport

Delivered flat on a pallet. Store flat.

Product Dimensions			
Subject	Performance	Unit	
Length	1.88	m	
Width	0.90	m	
m <sup>2</sup> /Board	1.69	m <sup>2</sup>	
Weight/Board	1.79	kg	
Declared Performance			
Essential characteristics	Performance	Units	According to
Material	Recycled Polystyrene	-	-
Weight	1060	gr/m <sup>2</sup>	-
Colour	black	-	-
Height	25.0	mm	-
Max. Crush Resistance (unfilled)	238	kPa	EN ISO 25619-2 06.2009
Crush Resistance with 3.5 cm overfill	til 768	kPa	EN ISO 25619-2 06.2009
Filling volume	10.1	l/m <sup>2</sup>	-
Water storage capacity (unfilled)	7.5	l/m <sup>2</sup>	-
Drainage capacity on 20 kPa load 100 kPa load 200 kPa load	1.180 0.336 0.112	l/ms l/ms l/ms	EN 12958 EN 12958 EN 12958
Fire protection classification	B2	-	acc. DIN 4102 part 2

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call **01858 410372**, email [techenquiries@radmat.com](mailto:techenquiries@radmat.com) or visit our website [www.radmat.com](http://www.radmat.com)

# *Med0*

## **G11 Filter Fleece**

# Product Data Sheet



## Product Data Sheet

### General Information

**Radmat G11** Filter Fleece is a needle punched polypropylene filter fleece for use as a protection and filter layer in green roofs.

Suitable for all types of green roof with a flat or sloped roof construction on new build or refurbishment.

### Directions of application

Loose lay over a suitable Radmat reservoir and drainage panel.

Overlap adjacent rolls of Radmat G11 by a minimum of 150mm and turn up at all abutments the minimum depth of the growing media.

To be covered within one month of application.

Product Description				
Appearance	White polypropelene fleece			
Declared Performance				
Essential characteristics	Performance	Unit	Tolerance	Standard
Raw material	PP	-	-	-
Colour	White	-	-	-
Weight	150	g/m <sup>2</sup>	+/- 10 %	EN ISO 9864
Length	100	m	-	-
Width	2	m	-	-
Roll	200	m <sup>2</sup>	-	-
Weight per roll	30	kg	-	-
Thickness on	1.80	mm	+/- 20%	EN ISO 9863/1
	1.40	mm	+/- 20%	-
	1.05	mm	+/- 20%	-
CBR Puncture Resistance (stat.)	> 1500	N	+/- 10%	EN ISO 12236
CBR Puncture Resistance (dyn.)	16	mm	+/- 10%	EN ISO 13433
Classification according FGSV	3	GRK	-	-
Tensile Strength MD	10	kN/m	-1kN/m	EN ISO 10319
Tensile Strength CMD	12	kN/m	-1kN/m	EN ISO 10319
Elongation	> 50	%	+/- 10%	EN ISO 10319
Opening Size	0.074	mm	+/- 10%	EN ISO 12956
Permeability in the plane	0.195	m/s	+/- 30%	EN ISO 11058
Durability	At least 25 years in natural soil with a pH-value between 4 and 9 and a soil temperature of < 25° C.			

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call **01858 410372**, email [techenquiries@radmat.com](mailto:techenquiries@radmat.com) or visit our website [www.radmat.com](http://www.radmat.com)

# *Med0*

## GM0/12 Growing Medium

# Product Data Sheet



---

A de-mixing resistant mineral/organic green roof substrate that provides good nutrient retention capacity and promotes plant germination and growth.

## Product Data Sheet

### General Information

**Radmat GM0/12 Growing Medium** is a de-mixing resistant mineral/organic green roof substrate that provides good nutrient retention capacity and promotes plant germination and growth.

Consisting of natural pumice, light lava stone, bark compost, green compost and turf Radmat GM0/12 Growing Medium has an open-pore structure and a high total pore volume.

GM0/12 Growing Medium is a natural product (a mixture of igneous minerals with organic additives) that contains augite, olivine, magnetite, limonite and biotite with organic materials.

### Certificates

FLL, RAL-GZ 253

### Installation instructions

Apply to a depth as specified according to plant type allowing 12% post installation settlement.

### Delivery conditions

#### Delivery Form

1.25m<sup>3</sup> Bulk Bags or 20 litre Sacks or Silo Tanker.

#### Storage and transport

Delivered on a pallet except for Silo Tanker deliveries.  
Store flat.

### CHEMICAL COMPOSITION

Element	Performance*	Unit
Silicic acid (SiO <sub>2</sub> )	47.00	%
Aluminium (Al <sub>2</sub> O <sub>3</sub> )	14.00	%
Magnesium (MgO)	10.30	%
Potash (K <sub>2</sub> O)	4.50	%
Lime (CaO)	8.90	%
Sodium (Na <sub>2</sub> O)	8.90	%
Iron (Fe <sub>2</sub> O <sub>3</sub> )	8.00	%
Titanium (TiO <sub>2</sub> )	1.70	%
Manganese (MnO)	0.80	%
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.70	%

\* = approximate

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call **01858 410372**, email [techenquiries@radmat.com](mailto:techenquiries@radmat.com) or visit our website [www.radmat.com](http://www.radmat.com)

## Product Data Sheet

Declared Performance			
Essential characteristics	Performance	Unit	FLL requirements
Particle size distribution:			
- Water-extractable substances	5.7	Mass %	≤ 15
- Fine/moderate granule	65	Mass %	30 - 60
Volumetric weight (compacted):			
- In dry state	0.95	to/m <sup>3</sup>	0.6 - 1.6
- With maximum moisture content	1.35	to/m <sup>3</sup>	1.0 - 1.8
Water/air balance:			
- Maximum water retention capacity	40	Vol %	≤ 35
- Water permeability (mod. K*)	0.07	Cm/s	0.001
pH	7.0	-	6.5 - 8.0
Content of carbons	5.5	g/l	≤ 25
Content of salts:	0.4	g/l	≤ .5
Organic substances	5.0	Mass %	3 - 8
C/N ratio	30	-	≤ 60

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call **01858 410372**, email [techenquiries@radmat.com](mailto:techenquiries@radmat.com) or visit our website [www.radmat.com](http://www.radmat.com)



Product Data Sheet

# *Med0*

## **S1 Wildflower Seed Mix**

# Product Data Sheet



## Product Data Sheet

Flowering season

Common name	Mix %	Colour	Annually	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	Common to mixes		
Agrimony	6	Yellow	July - September							*	*	*				S1	S2	S3
Birdsfoot Trefoil	6	Yellow	June - September						*	*	*	*				S1		
Bladder Campion	5	White	June - August						*	*	*					S1		
Bulbous Buttercup	5	Yellow	May - June					*	*							S1	S2	
Common Knapweed	4	Purple	May - October					*	*	*	*	*	*			S1	S2	S3
Common Toadflax	1	Yellow	June - September						*	*	*	*				S1		
Cowslip	6	Yellow	March - May			*	*	*								S1	S2	S3
Field Scabious	6	Mauve	July - August							*	*					S1	S2	S3
Hoary Plantain	3	Pink	June - July						*	*						S1	S2	
Kidney Vetch	6	Yellow	June - September						*	*	*	*				S1	S2	
Lady's Bedstraw	6	Yellow	July - September							*	*	*				S1		
Meadow Buttercup	5	Yellow	April - October				*	*	*	*	*	*	*			S1		
Musk Mallow	4	Pink	July - September							*	*	*				S1		
Oxeye Daisy	4	White	June - August						*	*	*					S1	S2	
Perforate St Johns Wart	2	Yellow	July - September							*	*	*				S1		
Rough Hawkbit	5	Yellow	June - September						*	*	*	*				S1	S2	S3
Salad Burnet	6	Red	May - August					*	*	*	*					S1	S2	
Selfheal	6	Purple	June - August						*	*	*					S1	S2	S3
Vipers bugloss	3	Blue	May - August					*	*	*	*					S1		
Wild Basil	3	Mauve	July - August							*	*					S1	S2	
Wild Marjoram	4	Purple	July - September							*	*	*				S1	S2	
Wild Mignonette	4	Yellow	June - September						*	*	*	*				S1	S2	

# S1 Wildflower Seed Mix

## Product Data Sheet

### General Information

**Radmat S1 Wildflower Seed Mix** is designed to replicate natural planting, combining species that will enhance the growth of each other.

### Timing

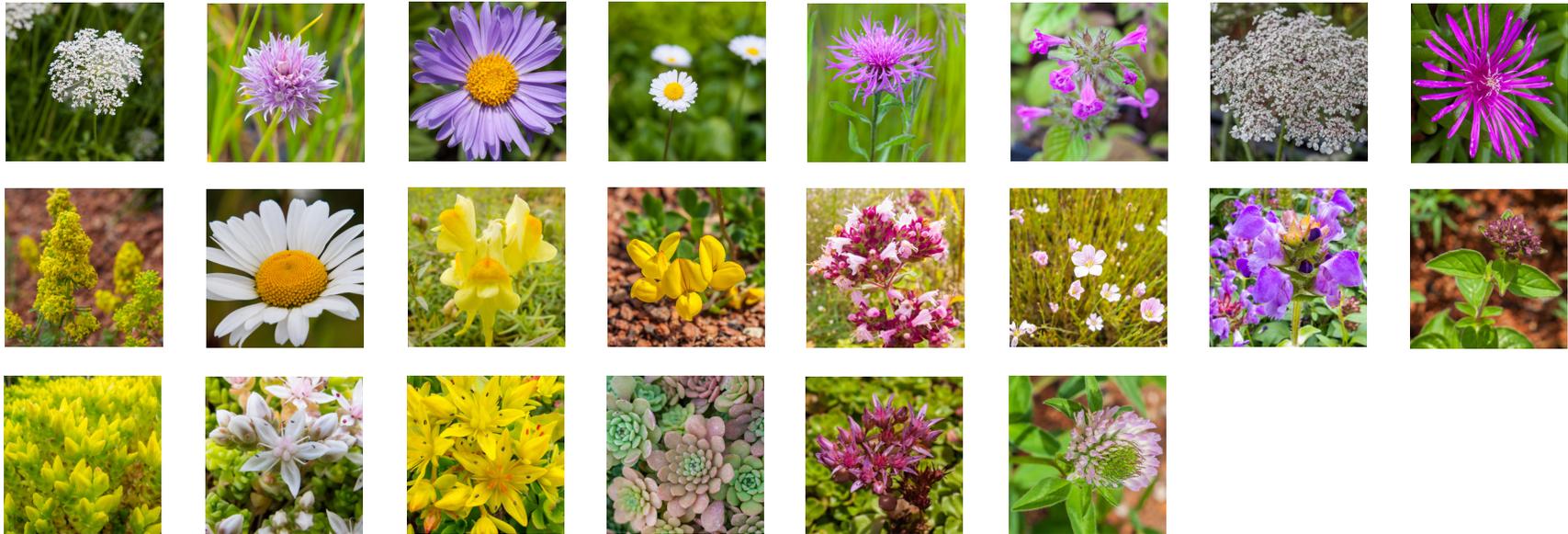
Seeds need both warmth and moisture to grow and may be sown at any time of year when these conditions are met.

Between August and September, and March and April, is typically the best time to sow in of the UK. If sowing in May, June and July enhanced irrigation will be required unless in the wetter western regions of the UK.

### Directions of Application

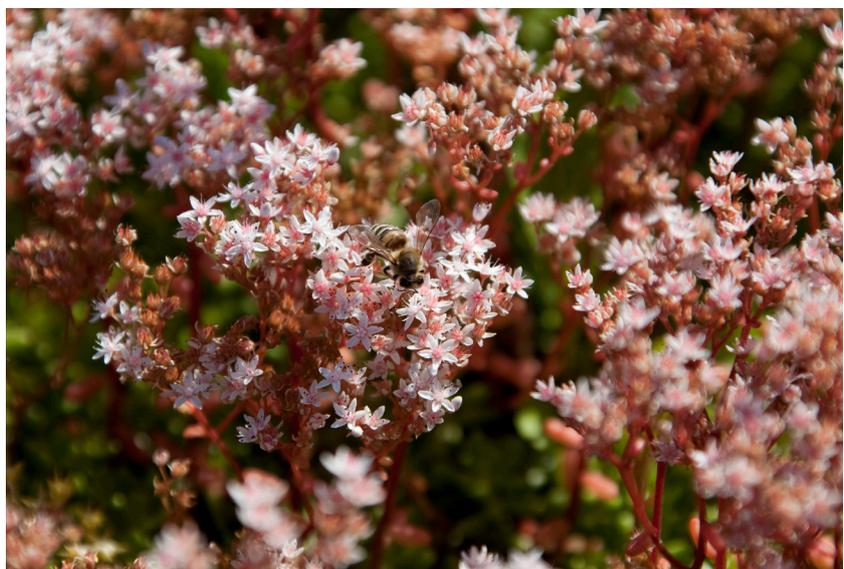
The appropriate Radmat Growing Medium must be installed to the specified depth allowing for settlement.

Recommended sowing rates are 2-4g/m<sup>2</sup>, a rate allows for an extended period of establishment leaving room for both fast growing grasses and slower germinating flower seeds. Avoid sowing too heavily as this can lead to overcrowding or an imbalance in the establishment: the mix is designed to work optimally at the specified rate.



# *Med0* SedumPlus

## Product Data Sheet



## Product Data Sheet

### General Information

**Radmat SedumPlus** sedum blanket is a low maintenance, drought resistant, ready to lay sedum vegetation blanket (Mat). Grown in the UK SedumPlus comprises sixteen varieties of sedum pre-grown in a strong biodegradable 450g/m<sup>2</sup> felt mat made from recycled British textiles.

Providing a variety of colour and interest, Radmat SedumPlus has been specially developed to provide a variety of different leaf types and flowers throughout the year whilst enhancing biodiversity. Colours range from greens through to vibrant reds, oranges, purples and browns at appropriate times of the Spring and Summer.

### Installation instructions

Unroll over a suitably prepared and irrigated Radmat growing medium. Loosely butt sides and ends. Once installed irrigate for the prescribed period based on season.

### Directions of applications

#### Delivery Form

Rolls

#### Storage and transport

48m<sup>2</sup> Delivered on a pallet. Store flat.

Product Dimensions		
Subject	Performance	Unit
Vegetative Coverage	80	%
Length	2.0	m
Width	0.6 or 1.2	m
Thickness	25	mm
m <sup>2</sup> / roll	1.2 or 2.4	m <sup>2</sup>
Weight / m <sup>2</sup> (saturated)	25	kg
Species mix		
Variety	Common name	Description
Sedum Stoloniferum	Stolon Stonecrop	20cm, pink, starshaped flowers, red stems
Sedum Pulchellum	Widow's-cross	10cm, brilliant pink, rich flowering, lush green foliage
Sedum Oreganum	Oregon stonecrop	5cm, yellow, forms cushions, red-brown in sunlight.
Sedum Montanum	Jenny	20cm, golden, dark green needle-like foliage.
Sedum hybridum	Czars Gold	15cm, golden, rich flowering, reddish stems, ever green carpet
Sedum hispanicum	Spanish Stonecrop	10cm, cushion plant, whitish-pink, grey-green cushions.
Sedum Floriferum	Bailey's Gold	10cm, golden, evergreen, crenate foliage.
Sedum Ellacombianum	Selskianum hort	10cm, yellow, unbranched stems and scalloped leaves.
Sedum aizoon	Euphorbioides	40cm, abundant yellow star shaped flowers.
Sedum acre	Oktoberfest	6cm, bright cream-white starflowers, fresh green cushions.
Sedum acre	Yellow	6cm, yellow, mat-forming.
Sedum album	White	10cm, white umbel panicles.
Sedum Spurium	Coccineum	15cm, dark pink flowers.
Sedum Sexangulare	Tasteless Stonecrop	8cm, lemon yellow, dense sweet smelling foliage.
Sedum Reflexum	Crooked Yellow Stonecrop	30cm, yellow flowers with grey leaves.
Sedum telephium	Fabaria	40cm, dense purple-red umbels, dark stemmed, strong blue-green foliage. Attracts bees.

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call 01858 410372, email [techenquiries@radmat.com](mailto:techenquiries@radmat.com) or visit our website [www.radmat.com](http://www.radmat.com)