



Specialists in Roofing  
and Waterproofing

# ***Med0***

Living Green Roof System

Sedum, Wildflower and Biodiverse Planting.



# What is a Living Green Roof?

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The benefits of a **living green roof system** are widely published; including their contributions to rainfall management, habitat creation aiding biodiversity, CO<sub>2</sub> capture, absorption of solar radiation, amenity provision, improved aesthetics, summer cooling, whole life cost savings, pollution control, oxygenation and noise reduction.

Working with expert horticulturalists, Radmat Building Products have developed the MedO range of living green roofing systems. All systems are suitable for both new and refurbishment projects and are constructed using the appropriate drainage board, filter fleece and growing medium for the planting required.



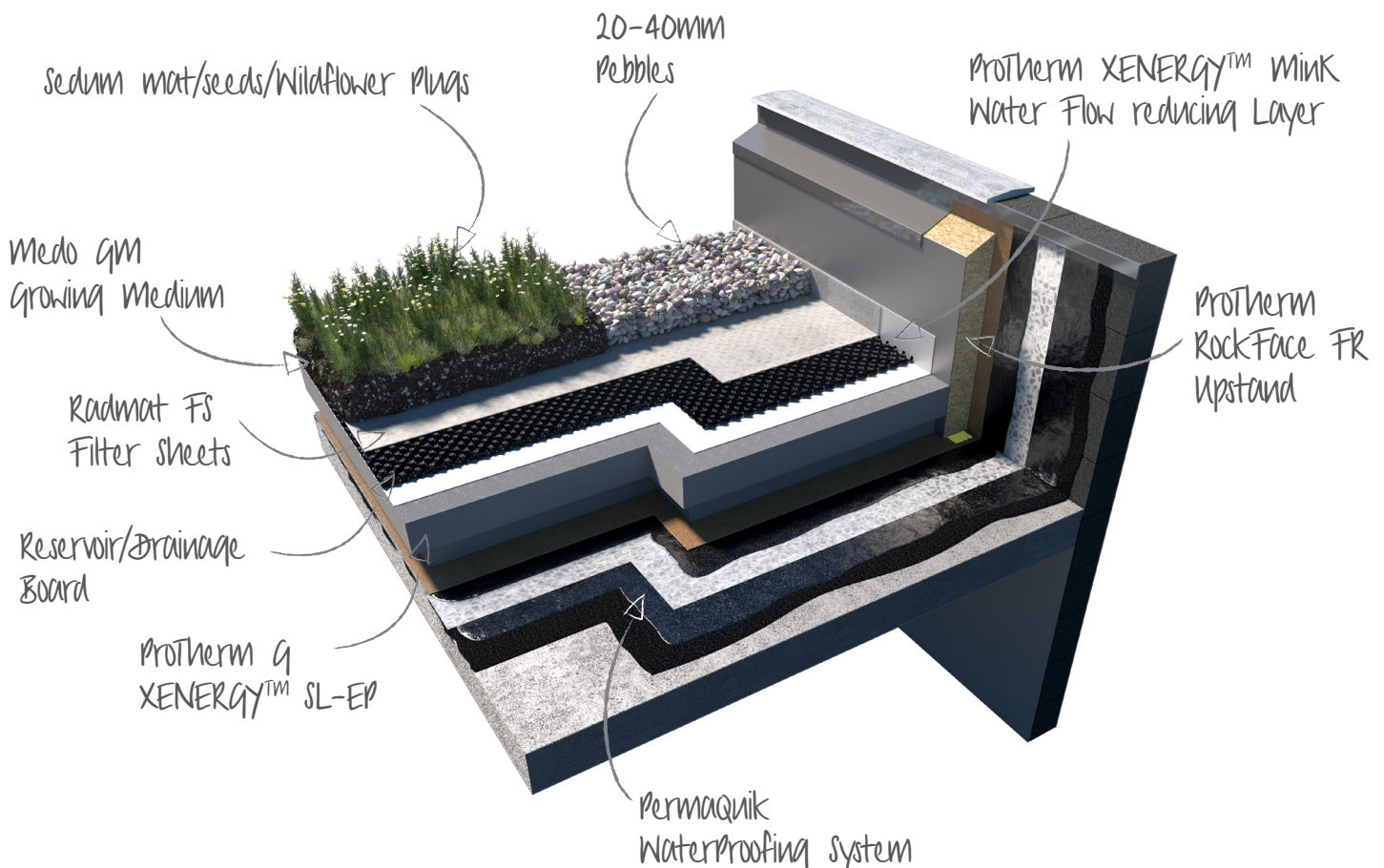


# The Living Green Roof System

**MedO** is a green roof system that utilises established green roofing technologies in a simple and straightforward way. A variety of green roof solutions can be created; from low maintenance sedum matting and wildflower meadows to landscaped roof gardens with lawns, shrubs and water features.

MedO green roofing systems can transform both new and existing roofs into lush, vibrant, biodiverse environments that protect your roof membrane. The decline of many species of wildflower and insects has accelerated with the decrease of natural habitats – the recent reduction in the bee population is said to be one such casualty. Installing a green roof is an ideal opportunity to create conditions for natural wild flower plants and increase biodiversity, as well as protecting and prolonging the life of your roof membrane. Radmat provide pre-grown sedum matting, wildflower seed mixes and more conventional plug plants varieties.

To eliminate the risk of the MedO living green roof system not being designed to complement the waterproofing system, and to eliminate warranty risk or split liability, MedO is designed to be installed on our PermaQuik, ParaFlex FD or EshaFlex waterproofing systems, which are BBA Certified for zero falls applications. For project specific information, specification and design support please contact Radmat using any of the means shown on the back page.



## MedO Extensive

This was used on much of the living green roofs at the Olympic Village Apartments, Stratford, to provide a low maintenance and self-sustaining plant community.



## MedO Living Green Roof Systems

### Extensive Sedum Green Roofs

Suitable for flat and pitched roof applications MedO Extensive systems provide a low maintenance, self-sustaining plant community, achieved in one of three ways depending on budget and patience. Pre-grown sedum blankets provide instant cover. Pre-grown sedum plug plants provide greater diversity but only 10% to 20% cover at installation. Seeding is most economic with 40% to 60% cover taking 12 – 18 months to gain plant cover but being entirely natural once established.



### Wildflower Green Roofs

An intermediate green roof type that can include characteristics of both extensive and intensive roofs. The deeper growing medium enables a wider range of plants to be included compared to extensive sedum green roofs, including wildflowers, shrubs and woody plants. Pre-grown wildflower and sedum blanket, pre-grown wildflower plug plants and wildflower seed mix are all available.

### Planted Biodiverse Living Roofs

Typically designed to meet specific requirements, often driven by planning constraints or Biodiversity Action Plans (BAP's), usually to

imitate the original ground conditions. Additional features such as insect houses, boulders, shrubs, tree branches etc, to create habitat for insect and bird species, may be included in the specification.

### Brown Biodiverse Living Roofs

Suitable for new and refurbishment projects, MedO Brown living roofs are constructed as per Planted Biodiverse roofs but simply left to nature to seed rather than being forcibly planted at installation. Plant cover will be entirely based on wind-blown and bird brought seed, taking a significant time to gain plant cover but being entirely natural once established.

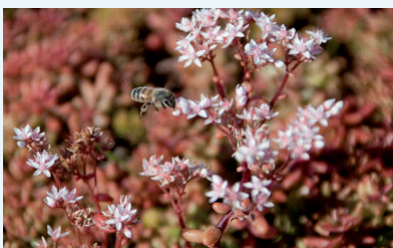






## MedO Sedum Plugs

Low maintenance, drought resistant, ready to install sedum plug plants grown in the UK to suit the environment climate.



## MedO Sedum Plus

A low maintenance, drought resistant, ready to lay sedum vegetation blanket.



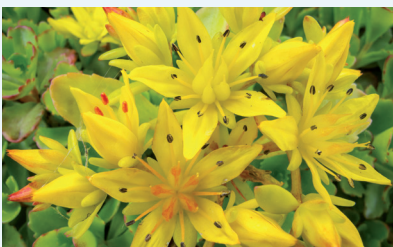
## MedO Wildflower Mat

A low maintenance, drought resistant, ready to lay Wildflower vegetation blanket.



## MedO Wildflower Plugs

Wildflower Plugs are ready to install plug plants grown in the UK to suit the environment climate.



## MedO S1 Wildflower Seed Mix

Designed to replicate natural planting, combining species that will enhance the growth of each other as well as protecting and prolonging the life of your roof membrane.



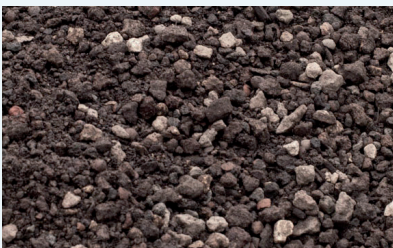
## MedO S2 Wildflower Seed Mix

Designed to replicate natural planting, combining species that will enhance the growth of each other as well as protecting and prolonging the life of your roof membrane.



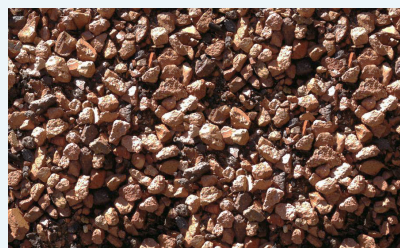
## MedO GM20 Extensive Substrate

Provides a suitable growing medium for a self-sustaining plant community consisting of pre-grown sedum plug plants or pre-grown sedum blankets.



## MedO GM30 Wildflower Substrate

Provides a suitable growing medium for a self-sustaining plant community consisting of cast wildflower seed, pre-grown wildflower plug plants and or wildflower blankets.



## MedO GM40 Biodiverse Substrate

A growing medium to create a habitat in synchronisation with the surrounding local area for the majority of species used in biodiverse green roofing applications including 'brown' roofs.



## Filter Sheets and Reservoir/ Drainage board

Radmat provide a range of filter sheets and drainage board to suit a living green roof system. Contact us for advice in design and planning by any of the means on the back page.





**Radmat Building Products Ltd**

Holland House, Valley Way, Rockingham Road,  
Market Harborough, Leicestershire, LE16 7PS.

T : 01858 410 372

E : [technquiries@radmat.com](mailto:technquiries@radmat.com)

W : [www.radmat.com](http://www.radmat.com)



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For further information on Radmat products and services please contact us. [www.radmat.com](http://www.radmat.com)

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**Bloomberg European HQ uses green/bio-diverse roofing and PermaQuik hot melt waterproofing system.**

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