



GREEN ROOFS[®]

Full System Providers

System Components

Moy Waterproofing System

Protection Fleeces

Drainage and Reservoir Layers

Filtration Layers

Roof Garden Soil Mixes [Pre-cultivated sedum and other finishes]

Vegetative Layers

Safety systems

Inspection and Irrigation boxes,
gravel boards and other accessories

Waterproofing System Specialists

moymaterials.com





Green Roof Explained

Green roofs have many benefits at economic, ecological and societal levels. A Green roof provides a rainwater buffer, purifies the air, reduces the ambient temperature, regulates the indoor temperature, saves energy and encourages biodiversity in the region. Green roofs are part of climate-proof construction and at MOY we have the experience and expertise in delivering green roof solutions to mission to all suitable and a wide range of projects and sectors.

MOY offers a range of green roof finishes suitable to both extensive and intensive applications. These systems are selected, designed and installed in close collaboration with the relevant stakeholders in the project including Clients /Building Owners, Architects and Engineers, Main Contractors and Sub Contractors.

MOY combine the planting scheme and its component parts with our range of high performance residential, commercial, mission critical and hyperscale waterproofing system solutions. We provide full system warranties offering total peace of mind for all stakeholders.

Benefits

MOY Green roofs don't just enhance the appearance of the roof area by making the roof area more aesthetically pleasing, they have a number of other benefits that clients / building owners and designers can consider for different key geographic regions.

Some of these include the following:

- Providing a rainwater buffer [[Blue Roofing](#)]
- Purifies the air
- Reduces the ambient temperature
- Increases solar panel efficiency
- Reduces ambient noise outside and inside
- Extends life span of roof
- Adds value to the building
- Increases biodiversity
- Moy Green Roofs can be designed to sequester carbon in specially selected plants and growth media to maximise the carbon offset of the building

Design Assistance

Correct specification is critical for successful waterproofing. MOY will issue detailed specifications for green roof systems, taking particular note of project specific issues and details. We can offer specifications in both standard form and also in N.B.S. formats from our technical teams in Ireland, the UK and Europe. With hands on experience relating to mission critical waterproofing systems, we can offer advice in a friendly and knowledgeable fashion.

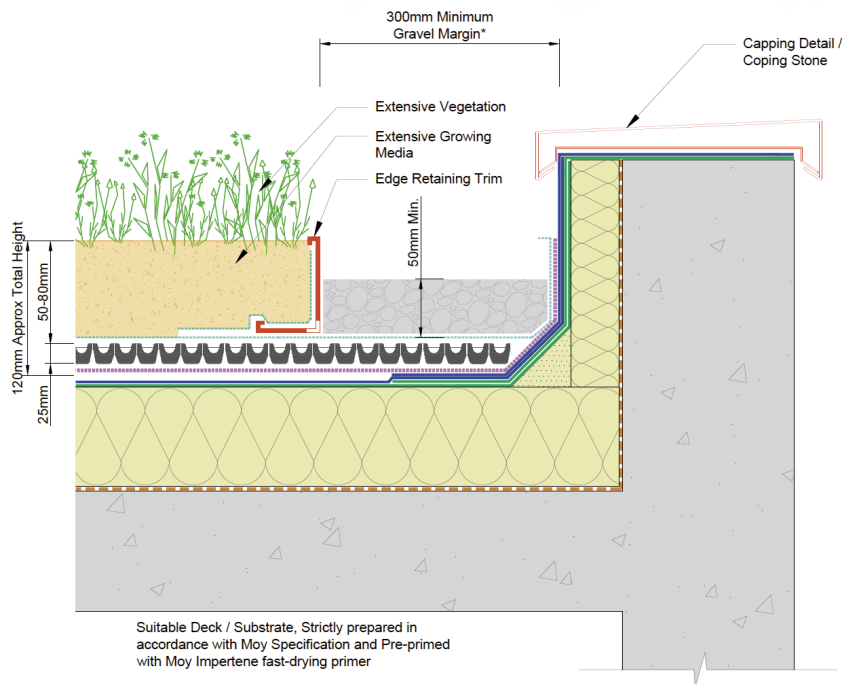


United in diversity

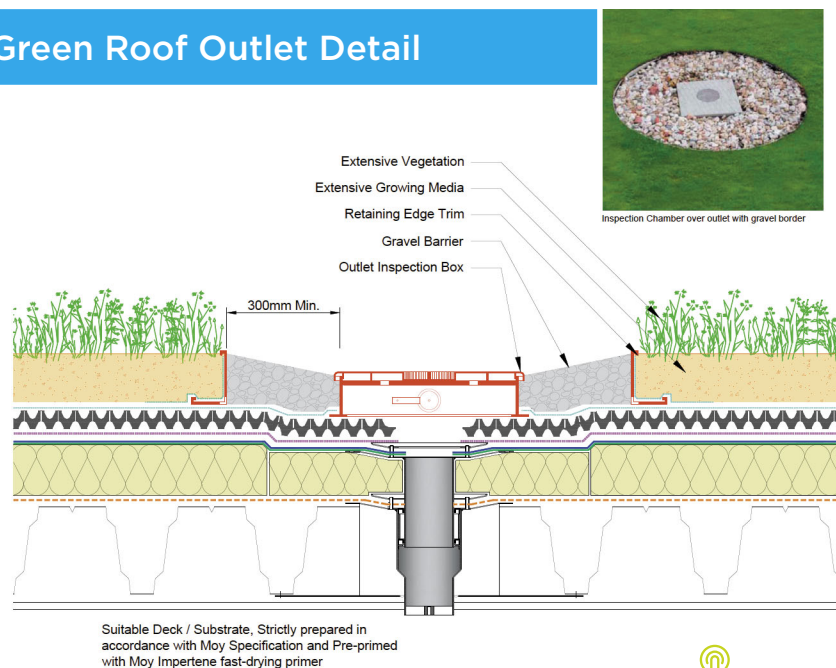
MOY works in a number of territories across the globe and works to ensure its systems have been tested, approved and certified by the official bodies ensuring peace of mind and confidence.



Green Roof Parapet Wall



Green Roof Outlet Detail



Click here for further info on our range of waterproofing system compatible with Green Roof finishes



The Best of Two Roofs [Hybrid of Green and Blue]

A move towards a hybrid of both types of roofing systems is becoming more frequent. Designers are more than ever in tune and mindful of the benefits and added value of Green Roofs along with addressing the real concerns and constraints stipulated by local planning authorities.

Hybrids, simply explained, are effectively Green Roofs coexisting above the Blue Roof.

No matter which option you use to assist with a SuDS strategy, there can be no escaping the fact that water, soil and planting is heavy. It is absolutely essential that the structure of the building and the roof is fully assessed for suitability before any type of installation can begin. Please do not be put off or hesitant with designing buildings and specifying the aforementioned systems.

MOY has over 40 years' experience within this field: long before SuDS was even considered a driver for design. Moy will support you through the process, from conception to build, providing expert advice and knowledge.





The importance of attenuation of water on a sustainable roof (SuDS)

The pressure on drainage systems grows as urban and rural areas continue to build. Habitats are being replaced by state-of-the-art architecture which brings great beauty but can also add to the increase of rainwater flowing into public drains which in times of storms and heavy rain can attribute to flooding. Sensible and sustainable drainage systems through the use of blue, brown or green roofs can slow, support and have an overall positive effort not just on drainage but as outlined on habitat, nature and the environment.

Approaches to manage surface water that take account of water quantity (flooding), water quality (pollution) biodiversity (wildlife and plants) and amenity are collectively referred to as Sustainable Drainage Systems (SuDS).

SuDS can replicate nature and typically manage rainfall. SuDS are generally designed to transport surface water, attenuate which means slow down the water run off through a green, brown or blue roof system.

Using a proactive drainage system is considered environmentally beneficial, supporting the public drainage system and avoid any undue pressure on the network.

Extensive Green Roof Systems

We can supply your total extensive green roof, with a variety of sedum blankets for different conditions or preferences. Our blankets can include sedum species native to the British Isles, native wild flower, ornamental grasses and culinary herbs to add a scent to your roof garden. We also supply cuttings, plug plants and even hydro seeding solutions for larger roofs. The environmental benefits of green roofing are well known but it's also got to look right. Our expertise in Green Roofs will ensure that your client has a roof worth looking at and looking after.

The Paralon total green roof system is BBA certified as an assembly (achieved in conjunction with our Green Roof partners APP-Diadem), giving you peace of mind that you are choosing a green roof that will stand the test of time. We can provide all the accessory items necessary to complete your Green Roof Project.



Intensive Green Roof Systems

If the green roof is to be used as a recreational area, walked upon, or forms part of a landscaping aesthetic, then an intensive green roof would be preferable. The Paralon total green roof system is BBA certified as an assembly (achieved in conjunction with our Green Roof partners APP-Diadem), giving you peace of mind that you are choosing a green roof that will stand the test of time.

The drainage board depth is increased and the type of growth medium altered. Our green roof partners, APP Diadem, supply a wide range of drainage boards to suit even the most challenging planting schemes. Paralon membranes will retain their root repellent characteristics for the lifespan of the roof system. An intensive green roof will offer the widest possible variety in planting and landscaping choices





WE TAKE PRIDE IN
OUR EXCELLENT
CUSTOMER SERVICE
AND EFFICIENCY

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