





Eco Green Roofs takes pride in the design, supply and installation of sustainable green roofs. Our scientific knowledge of green roof systems sets us apart and allows us to provide technical expertise that is backed up by published academic research.

A green roof is a living system that cannot be treated as a typical building or roofing product, getting it right is a science!

Eco Green Roofs was formed by three close friends as a project based around a passion for the environment. This passion has developed into an industry leading business – promoting novel, sustainable and superior products. We have seen the company grow rapidly to become the UK's leading green roof expert!



THE UK'S LEADING GREEN ROOF EXPERTS



Green Roof Benefits

Water Quality

Water is cleaned when passing through a green roof system. found that 60% of cadmium, copper and lead, and approximately 16% of zinc, can be removed from rainwater on passing through a green roof.

Storm Water Run Off

Vegetated roofs are able to retain on average 82 % of rainfall compared to 27 % on pure gravel rooftops; and this is even better on roofs with a 2 % slope (up to 87 % retention).

Heating Bills

Heating bills can also reduced by a green roof, with an average saving of around 4 %.

Air Conditioning Bills

Publications have indicated that the need for air conditioning in summer months can actually be reduced by 6 % and, combined with a 1-2 % reduction of the urban heat island effect; greened cities could see electrical demand come down by 5 %.

Habitat For Rare Wildlife

Green roofs provide a stepping stone for many rare birds endangered by the lack of suitable habitats. They also provide a home for many rare insects, beetles, spiders and plant species.

Thermal Benefits

Investigations into the thermal properties of green roofs have revealed that plants themselves significantly reduce air temperatures both inside the building and in the immediate environment. Experiments in Toronto, Canada, comparing common flat roofs, painted white roofs and green roofs found that, on average, roof temperatures on dry summer days were 65 °C, 42 °C and 35 °C respectively.

Roof Life Span

Studies have proven that a green roof can increase a roof's lifespan by up to 3 times. There are a couple of examples where the green roof has not needed to be replaced for over 100 years! The green roof protects the waterproofing from UV rays, frost and ice.

Planning Permission

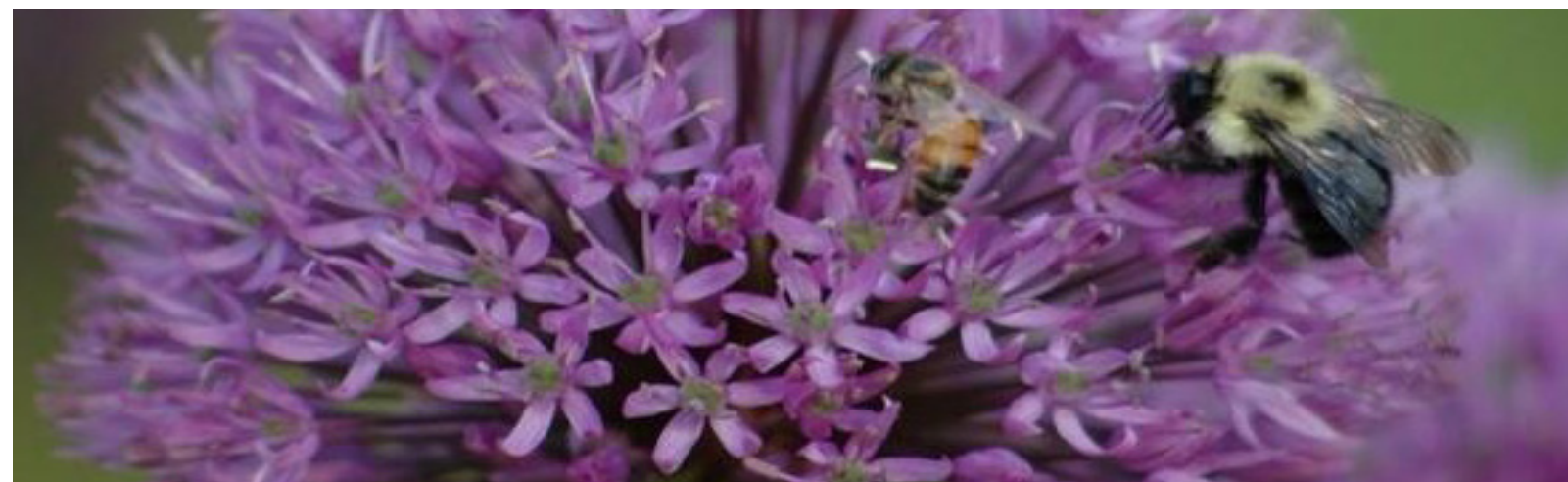
In some cases a green roof factored into a new building's design can help you gain planning permission. If green roofs are for an existing building then planning permission for the green roof itself is very rarely needed.

Air Quality

Studies have suggested a 37% reduction of sulphur dioxide (that causes acid rain) and a 21% reduction in nitrous acid can be achieved in the air above a green roof, when compared to other air samples taken nearby.

Sound Insulation

University of Sheffield research shows that a 20 – 100mm dry growing medium could achieve an extra SPL (Sound Pressure Level) attenuation of 10 – 40dB, depending on frequency.

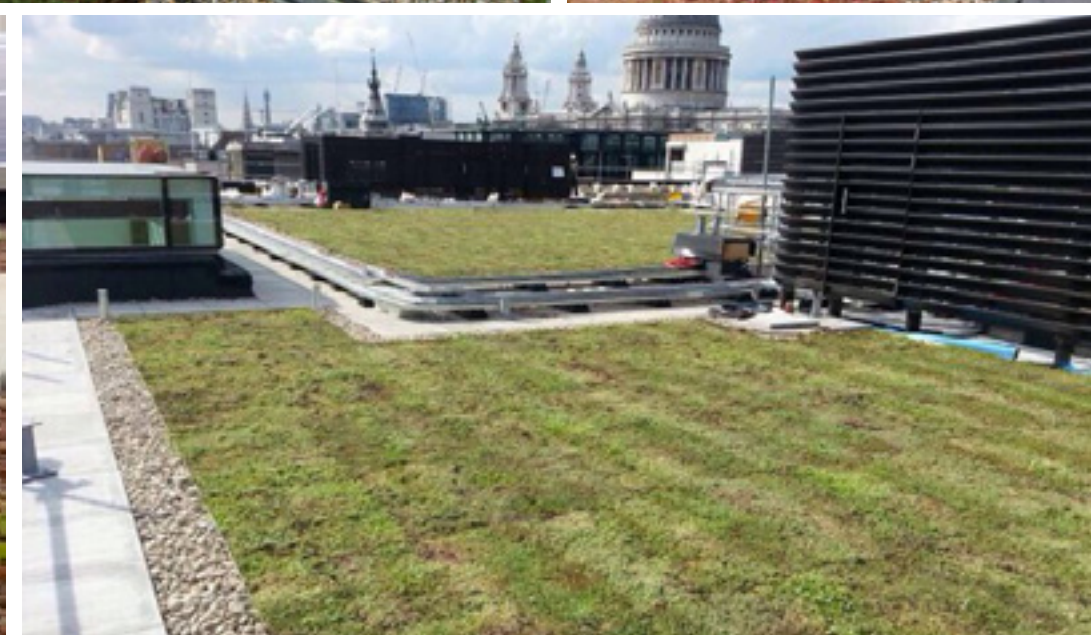




**DESIGN, SUPPLY,
INSTALL**

Sedum Roofs

Our Sedum Systems have been designed with between 8-12 sedum species per meter square. We grow our sedum blankets for over 12 months to ensure the plant roots are well established and robust enough for roof level. We provide Sedum systems in blanket, plug plant, cuttings and seeded options. Eco green roofs have a number of sedum farms across the UK.





Bio Diverse / Brown Roofs

Bio-diverse or Brown roof systems are specifically designed for biodiversity by offering a broad range of annual and perennial wildflower and grass species, and providing a mosaic of habitat opportunities for important invertebrate and bird species. In particular these roofs are created for species important to the site or regional bio-diversity plan; and incorporate several different substrate types placed at different depths to produce undulations (or a contoured effect). Log, stone and sand piles are added for further interest and give areas of shading on a micro level.



Wildflower Roofs

Wildflower systems provide more diverse plant communities than Sedum green roofs. They are particularly favoured when ecological, aesthetic and environmental function needs to be considered. Wildflower Blankets are pre-established for a minimum of 12 months and include up to 50 U.K. native wildflower, herb and grass species. Eco Green Roof wildflower mats and Plug planted systems are easily installed for immediate visual impact.



Bespoke Roofs

Here at Eco Green Roofs we provide bespoke systems to meet every client's needs.



Eco green roofs specialize in bespoke design, supply and installation. Our in-house ecologist Dr Chloe Molineux holds a PhD in green roof substrates and is one of the top specialists in Europe. With this unique knowledge we can provide a green roof system to suit any requirements.

Specialist installation teams

- All in-house full employed labour force
- All team members CSCS and SSSTS certified
- First aid trained
- NEBOSH certified contract manager
- Professional reporting systems

