

BAUDER BIODIVERSITY SYSTEM

0-3 DEGREES – TOTAL FLAT ROOF

Many native species of plants, birds, insects and other wildlife are in decline due to years of urban development that has claimed increasing areas of their natural habitat. Environmentalists, ecologists and local government planners are now recognising the potential offered by roof landscaping as a method of replicating this lost natural habitat. Management of species and habitats is now an integral part of land-use planning and development. Most planning consents in Britain now contain obligations to protect, manage and enhance ecological conditions for native wildlife, and maintain standards of biodiversity and sustainability in line with government policy.



Vegetation chosen to replicate a natural environment to support the local flora and fauna or a specific eco system

Bauder Extensive Substrate is a lightweight growing material that is manufactured and used in accordance to FLL guidelines.

Bauder Filter Fleece is a filtration layer that prevents substrate fines from washing into the drainage layer.

Bauder Drainage Board is a water drainage layer manufactured from molded expanded polystyrene.

Bauder FSM100 Protection Mat is a polyester and polypropylene fiber mix.

Bauder PE Foil Separation Layer is a polyethylene foil separation and slip layer manufactured from recycled granules.

The substrate and vegetation should be suitable to replicate the natural habitat of the differing species the roof is designed to attract. The ideal solution is to re use site material produced from the buildings demolition or construction such as crushed brick and concrete to form the substrate.

When to Specify

A Biodiverse roof is ideal suited to many situations, for a variety of reasons. For example, when used within the Countryside the roof replaces the natural surroundings displaced by the building below, and in areas of urban development it can reduce the heat island effect and gives insects and birds a safe haven.