



EGR BD Biodiverse Roof System (Warm Roof)

The EGR BD Biodiverse Roof System is a premium quality roof system designed for flat roofs with minimal falls and suitable for roofs of any height*. This system is suitable for both new build and refurbishment projects and across all sectors including housing, education, commercial, leisure and healthcare.

When to specify

This system has been designed to be installed on a waterproofing system that incorporates a vapour control layer and complete with a waterproofing cap sheet. It is a biodiverse system designed to increase local biodiversity utilising the building's external fabric, specifically the roof. The EGR BD system is uniquely designed to the specification requirement, outlined by an Ecology Report. This report will outline the specific plant species to suit both the climate in which it is installed, and the ecosystems needed to increase local biodiversity.



The diagram is for illustration only. The waterproofing membrane demonstrates just one example of applicable detailing. The protection layer above the waterproofing is the responsibility of the waterproofing membrane manufacturer unless specified.

Technical data

Build-up Components		
	Layer	Depth
1	EGR COB River-Washed Cobbles	50mm**
2	EGR TRM100 Retention Trim	100mm**
3	EGR BDSE Biodiverse Vegetation	Varies***
4	EGR GMBIO Growing Medium	80-150mm**
5	EGR DBR20 Drainage Board with Filter Fleece	20mm**

System Data
Total System Depth:
100-170mm**
Dry Weight:
86.7kgs/m ²
Saturated Weight:
138.72kgs/m ²
Minimum Coverage of Installation:
Varies***

* Subject to wind uplift calculations by waterproofing manufacturer - for further information, [click here](#).

** Depth illustrated above based on typical system build-up. Depth of system component may change dependent on requirement.

*** Biodiverse roofs are bespoke, species are chosen in line with an ecology report, therefore the coverage will vary on each project

EGR BD is a biodiverse roof solution with the inclusion of native plant species to suit the location's climate in line with the ecology report. Other biodiverse enhancements can also be included such as log piles, sand piles, cobble piles, ephemeral pools and bug hotels to support new or lost ecosystems.



BIODIVERSITY NET GAIN

Irrigation is recommended for this system to enhance the system's performance, temporary irrigation is essential for initial establishment and dry spells. Maintenance packages are available to ensure peace of mind*.



MAINTENANCE

EGR BD has high water holding capacity due to the EGR drainage/retention boards and the EGR specialist substrate.



WATER HOLDING CAPACITY

All species are installed within 48 hours of delivery to ensure optimum freshness.



FRESHNESS DELIVERED

The coverage of a biodiverse roof is dependent on the species that have been specified as part of the system.



COVERAGE

EGR's biodiverse roof systems have been fire tested to BS EN 13501-5:2016 and received Broof(t4) classification as part of a system encompassing a waterproofing build-up. For further information view certification - available on request.



FIRE COMPLIANT

Can contribute to independent building environmental assessment bodies including BRE's BREEAM and LEED.

The EGR BD also meets objectives set by Local Biodiversity Action Plans, demonstrated for example in the [London Plan](#).



SUSTAINABLE ASSESSMENT

Protection of the waterproofing system therefore increasing the longevity of the roof. The biodiverse roof will continue to thrive as long as a maintenance* plan is followed.



LONGEVITY

PROVEN TRACK RECORD

EGR BD has been chosen for a large number of prestigious projects within the UK. Every roof is installed by trained operatives that follow the GRO Green Roof Code and FLL Guidelines (aligned to NHBC Standard 7.1 Flat Roofs and Balconies).

GUARANTEED

It is important that the system delivers it's full life cycle potential of both commercial and environmental benefits. Once the EGR BD system has been installed, the living roof has a Guarantee of Function which will remain in place as long as a regular maintenance programme is continued.

ACCREDITATIONS AND ASSOCIATIONS



*To ensure the aesthetic appearance, design functionality and environmental benefits of a living roof are maintained, it is important that annual maintenance is undertaken. This includes removal of invasive vegetation, debris, applying specialist fertiliser (if required) and monitoring/controlling the biomass. EGR also recommends that irrigation is installed for initial establishment and/or dry spells (typically Summer), to which systems need to be tested and commissioned. For further information see EGR's Maintenance Guidance [here](#).

The above information is issued in good faith and without warranty and is intended as a guide only. The information comprises typical data and does not constitute a specification.