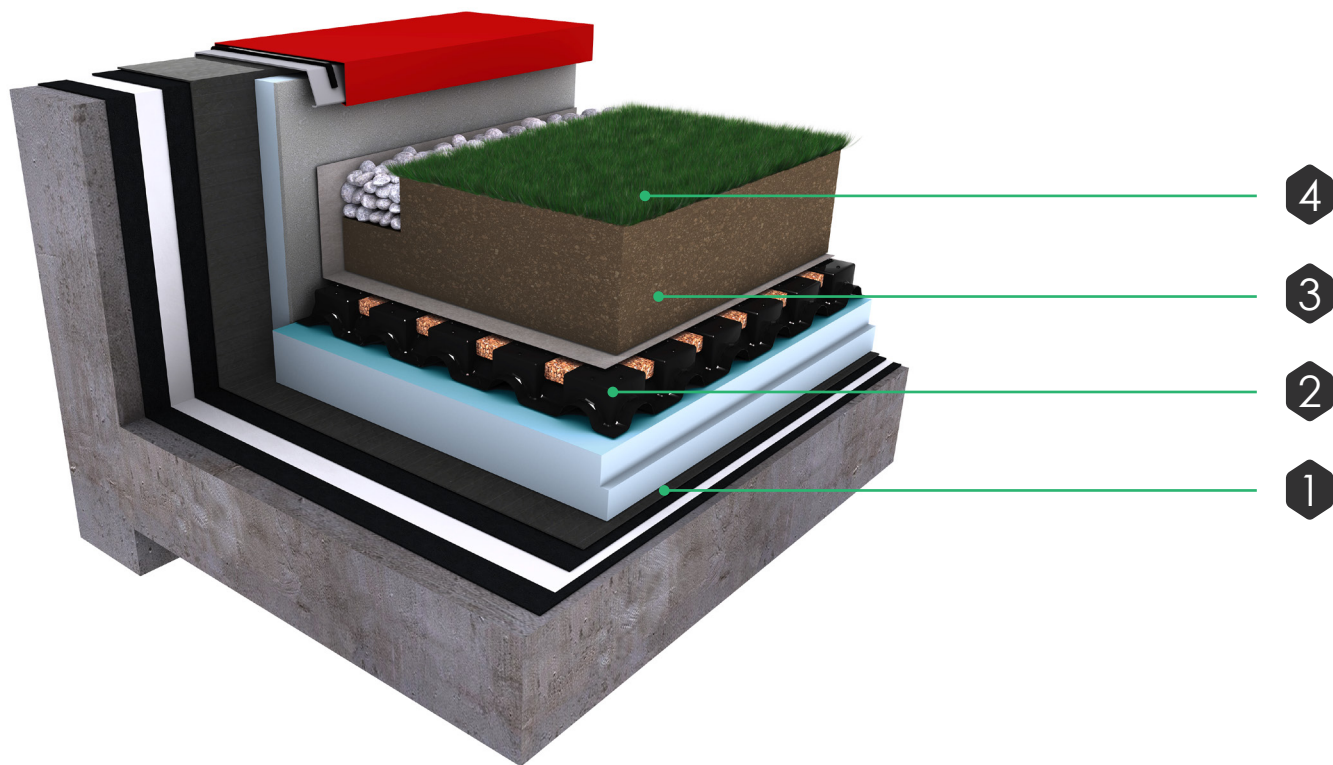


# INTENSIVE INVERTED GREEN ROOF

Blackdown Intensive green roofs provide a type of vegetated roof system designed to support a wide variety of plant species, including grasses, shrubs, and even small trees. It typically mimics a traditional garden. They provide recreational space for people and a rich habitat for wildlife.



|   | System Options                                                                                                                                                              |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 | <b>Intensive Vegetation Layer</b><br>E.g. plants, shrubs, lawn & vegetation support                                                                                         |
| 3 | <b>Blackdown Intensive Substrate - depth to suit planting requirements (+30% settlement)</b><br>Growing medium designed to support intensive plants, shrubs or lawned areas |
| 2 | <b>Blackdown 60mm 2 in 1 Drainage Layer</b><br>Incorporating drainage board & filter sheet                                                                                  |
| 1 | <b>Blackdown Root Barrier</b><br>If not incorporated in the waterproofing membrane                                                                                          |

Key Benefits

- Contributes positively to BREEAM assessments and BNG points
- Blackdown's green roofs comply with the UK's GRO Green Roof Code of Best Practice 2011 and the German Landscaping and Landscape Development Research Facility (FLL) Guidelines
- Biodiversity aids habitat introduction and conservation
- Reduction of heat island and solar gain in urban areas
- Improves the building's energy efficiency in summer and winter
- Biological carbon sequestration
- Recreational areas for mental health and wellbeing
- Attenuation of stormwater slows rainwater runoff
- Sound management