



**Statement of design objectives for brown roof
FLAT A, 39 Fitzroy Road, London, NW1 8TP**

GENERAL / DEFINITION

The term 'Brown Roof' originated in the UK to highlight the failings of some extensive green roof installations. As part of the Kyoto agreement, support for biodiversity within the built environment was a key objective. 'Brown' roofs are essentially substrate based green roofs with an emphasis on design aimed at reinstating the ecology that was present prior to development.

DESIGN OBJECTIVES

- 'Brown' roofs are natural and urban feature. They can offer and a greater diversity of species as well as prolonged foraging for insects. The design aim to enhance the local biodiversity.
- They also act to improve surrounding air quality, reduce the visual impact of the building and assist in the run-off and management of rainwater.
- Brown roofs are very low maintenance and no irrigation is required.
- They offer sound acoustic and temperature insulation properties to the roof helping to reduce the thickness of the proposed insulation.
- The proposal aims to recycle the waste building materials, such as cleaned rubble, can be introduced into the substrate, adding to a sense of recycling elements of the project (note: avoid contaminated materials or sharp objects).
- The substrate level is normally up to 150mm, which offers a medium weight build-up, usually no heavier than 120kg per m². This one is less than the standard 'green' roof height and weight

project 39A FITZROY ROAD, LONDON NW1 8TP BRIAN O'REILLY ARCHITECTS 31 Oval Road, London, NW1 7EA +44 (0)20 7267 1184 www.brianoreillyarchitects.com mail@brianoreillyarchitects.com	REV. A - gen. amendments	11.11.2021
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