



LAUREATE GARDENS, HENLEY ON THAMES



Leca LWA was specified for the scenic green roof on the Henley on Thames. This project was a development of old and new structures in the creation of a new apartment building. The existing building was renovated to create a car park for a new apartment block. The architects wanted to create a green roof which offered a

green space that acted as a scenic and colourful space for its residence.

In the development phase, the architects were faced with load capacity issues on the existing building where a car park was created and material such as expanded polystyrene (EPS), which was originally proposed for the project offered no drainage capacity. Leca LWA was proposed which offered a lightweight solution with the drainage properties required for water retention during storms but it also provided the growing properties offered through soil.

After careful consideration, 2.2m³ bags of Leca LWA were delivered to the site by a crane. The site itself had extremely limited access with the site being on a roof top, the delivery of Leca LWA in 2.2m³ bags provided a further useful solution for the contractors on site.

On the day of installation, the contractors were unfamiliar with Leca LWA and they originally treated the material as a type 1 material which could not be compacted in wet weather. Once the site team were aware and confident that the material could be compacted and positioned in wet conditions following a torrential rainfall – this accelerated their ability to continue their work.

FACTS

Amount of material: 120m³ of [Leca LWA \(10-20mm\)](#)

Interesting Fact: The site itself had extremely limited access with the site being on a roof top, the delivery of Leca LWA in 2.2m³ bags provided a further useful solution for the contractors on site.

Delivery Method: 2.2m³ Bulk Bags

Main Contractor: Oliver Curran Construction Ltd