



LIVERPOOL | THE GROSVENOR PARADISE GREEN ROOF PROJECT



In order to minimise loading on the new structure, Leca® Lightweight Expanded Clay Aggregate geotechnical fill was used throughout the site to form new Green Roof landscape features.

Working on behalf of construction partners Laing O'Rourke and landscape architects BDP, Willerby Landscapes Ltd of Kent – who have previously widely used Leca® Lightweight Expanded Clay Aggregate within green roof gardens for planters and general landscaping – selected the Leca® Lightweight Expanded Clay Aggregate not only for its lightweight and free draining properties, but also its ease of installation.

AS THE LECA® LIGHTWEIGHT EXPANDED CLAY AGGREGATE IS ROUNDED, THE FRICTION BETWEEN EACH PELLET MAKES THE MATERIAL MUCH EASIER TO MOULD INTO LANDSCAPE SHAPES THAN SOME OTHER LIGHTWEIGHT MATERIALS.

At only one seventh the density of traditional crushed fill and freer draining than soil, the Leca® provided a lighter, easy to handle solution for Willerby Landscapes. Leca® Lightweight Expanded Clay Aggregate was used in conjunction with proprietary drainage matting and block polystyrene to form new green roof features at the centre of the development. The fill was also used within feature raised floral beds where the material will assist in the retention of moisture within the soils to feed the vegetation during dry periods.

FACTS

Amount of material: 9000m³ of [LECA LWA \(10-20mm\)](#)

Interesting Fact: The original green roof design for the scheme included greater use of polystyrene, but a cost comparison and the various advantages of Leca® Lightweight Expanded Clay Aggregate when used as an intermediate fill, led to its specification.

Delivery Method: 4-Wheel Articulated Tippers

Main Customer: WILLERBY LANDSCAPES