



GREEN ROOF PLANTERS SOUTH EAST LONDON



The green credentials of two new apartment buildings in London were substantially enhanced with large green roof planters constructed on the external mezzanine walkways. Traditional soil would have created structural weight concerns so contractor Ground Construction Limited of St Albans, Hertfordshire selected

the lightweight advantages of Leca® Lightweight Expanded Clay Aggregate as the growing medium for these attractive features.

Leca® Lightweight Expanded Clay Aggregate is a free draining, lightweight aggregate created by heating and firing natural glacial clay in a rotary kiln at up to 1150°C. This process transforms the clay into lightweight ceramic granules with a hard shell and porous core. The material is extremely light with a bulk density of just 0.3 tonnes per cubic metre. The granules are frost resistant and chemically inert, ideal for horticultural planting.

The close confines of the construction site for these new apartment blocks in Bermondsey, South East London made access to the giant planters difficult and the problem was compounded by restricted hours of access. The choice of Leca® Lightweight Expanded Clay Aggregate 10-20mm provided a package of beneficial solutions. The 55m³ of material required for each planter was blown pneumatically through a 30 metre long, flexible pipe from the Leca® Lightweight Expanded Clay Aggregate delivery vehicle directly into the planter in a matter of hours, thus removing the handling, access and timing problems at a stroke

FACTS

Amount of material: 55m³ of [LECA LWA \(10-20mm\)](#)

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Delivery Method: Pneumatic Delivery

Main Contractor: Ground Construction Limited