



LONDON UNDERGROUND - VICTORIA STATION



Leca LWA was recently used to fill a disused subway beneath Vauxhall Bridge Road, near Victoria Station in London. The subway, which is 52 meters long and features internal dimensions of 3.05 meters in width and 2.23 meters in height, supports two roads with normal, unrestricted traffic flow. This infill project was

crucial for reinforcing a busy passenger access point.

The selection of Leca LWA for this project was strategic, aiming to minimize the load on the underlying London Underground tunnels, a critical factor given the subway's location. The material was pneumatically delivered at a rate of 40 cubic meters per hour through an advanced hose piping system, ensuring swift and efficient delivery in the congested area of London.

FACTS

Amount of material: 130m³ of [Leca® 10-20mm](#)

Interesting Fact: The selection of Leca LWA for this project was strategic, aiming to minimize the load on the underlying London Underground tunnels.

Delivery Method: Pneumatic Delivery

This method of delivery not only sped up the process but also simplified it, as Leca LWA requires minimal compaction. The groundwork preparation involved using a wacker plate for just four passes, highlighting the ease of installation.

Tim Greenbury from CBS (Construction and Civil Engineering) commented on the effectiveness of the material and the efficiency of the application, noting, "We were impressed with the LECA material and the application was rather efficient. The only real constraint was the number of shifts required to complete the fill, which was influenced by the unloading times at the origin in King's Lynn. The blower truck performed excellently, enabling us to consistently service the project each morning."