



## SWIMMING POOL COMPLEX | HUYTON, LIVERPOOL



Leca® Lightweight Expanded Clay Aggregate is a lightweight, free draining and insulating aggregate, ideal for use in swimming pool surround. It is usual that an indoor pool is constructed and incomplete before the building to house the pool is constructed around it. Access to the pool becomes restricted and the final stages

after the process pipework is installed become inaccessible to heavy earth moving machinery making labour installation quite extensive. Surrounding the pool with Leca® Lightweight Expanded Clay Aggregate can make light of this installation and save time in days by using a purpose driven vehicle used to blow the Leca® Lightweight Expanded Clay Aggregate into position.

From a design perspective, the light weight of the Leca® Lightweight Expanded Clay Aggregate reduces the pressure exerted on to the pool perimeter walls and the thermal properties of the Leca® Lightweight Expanded Clay Aggregate help insulate the pool. The rounded and thermal nature of the Leca® Lightweight Expanded Clay Aggregate also make an ideal, protective bedding to the process pipework that surrounds and services the pool with any future maintenance requirement easily accessed.

To give example, Leca® Lightweight Expanded Clay Aggregate contributed to the on-time completion of the stunning newly built £16.1 million Knowsley Leisure and Culture Park swimming pool complex at Huyton, Liverpool, constructed by Balfour Beatty Construction for Knowsley Metropolitan Borough Council.

This aquatic centre features two 25-metre pools, one of which is an eight lane competition pool designed to full international standards. The pools were constructed and using the Leca® UK pneumatic installation unit; the Leca® Lightweight Expanded Clay Aggregate was blown into place to fill the surround of the two pools which were then finished to provide the wide perimeter walkways.

## FACTS

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**Amount of material:** Over 1900m<sup>3</sup> of [LECA® LWA \(10-20mm\)](#) was installed for this project

**Interesting Fact:** The rounded and thermal nature of the Leca® Lightweight Expanded Clay Aggregate also make an ideal, protective bedding to the process pipework that surrounds and services the pool with any future maintenance requirement easily accessed.

**Delivery Method:** Delivered through Pneumatic Delivery

**Main Contractor:** Balfour Beatty