SAINT-GOBAIN

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BARNBY STREET RAIL STATION LONDON

Engineers developing Euston Station were struggling to continue with their planned project with access from Barnaby Street being extremely limited. Alternative aggregate solutions were deemed as too heavy and requiring delivery methods which was not feasible for this project.

Because of this issue typical vehicles were not allowed any space for parking in a very busy district in London and Cross Rail Compliant Flatbed Vehicles were required. Suggestions for the use of the Leca pneumatic blowing vehicle was put forward but again the issue of parking on Barnaby Street would not allow this.

The solution was to deliver Leca bulk bags containing Leca (10-20mm) lightweight aggregate and to innovatively lift the bulk bags using a crane. Leca lightweight aggregate benefits from being lightweight, and the bulk bags containing 2.2 cubic metres of Leca LWA was light enough to lift with ease using the crane solution.

The bags were then cut at the bottom to empty the Leca LWA onto a conveyor belt which guided the Leca LWA effectively into the correct area. This innovative solution resolved the issue of access and also minimised resources required to accommodate the installation.

The development at Euston Station utilised 128 x 2.2 cubic bulk bags (10-20mm), which were delivered from Garston to London on Cross Rail Compliant flatbed vehicles over a 4 day period.

FACTS

Amount of material: 400m3 of LECA LWA (10-20mm)

Interesting Fact: Alternative aggregate solutions were deemed as too heavy and requiring delivery methods which was not feasible for this project.

Delivery Method: Cross Rail Compliant flatbed vehicles

Main Contractor: