



## LIDL FLAGSHIP DISTRIBUTION CENTRE



Lidl's £85M+ distribution centre in Järvenpää, Finland, stands as a benchmark in sustainable logistics construction—receiving BREEAM Excellent certification. One of the critical factors in achieving this was the use of Leca® Lightweight Aggregate to meet structural and environmental goals.

The principles applied here mirror the growing demand in the UK for low-carbon, resilient groundworks in logistics hubs and infrastructure upgrades.

### **Geotechnical Challenges**

- Complex ground conditions: varied strata including soft clay (up to 6m deep), moraine, and rock
- Need for settlement control at interfaces between reinforced concrete slabs and unpiled ground
- Sensitive light traffic routes across poor load-bearing soils
- Strict sustainability and carbon-reduction targets

### **FACTS**

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**Application:** Complex ground conditions: varied strata including soft clay (up to 6m deep), moraine, and rock

**Material Used:** 6500m<sup>3</sup> of Leca® LWA (10-20mm)

**Project Overview:** Applicable to large-scale infrastructure, industrial/logistics parks, and green building initiatives