



Case study

Retaining Wall - HALO Regeneration Project

Product Structural Fill EPS

Application Lightweight Fill Behind Retaining Wall - 1000m³

The HALO Enterprise & Innovation Hub is a multi-faceted regeneration of a 28-acre site, formerly the home of Johnnie Walker, the world's leading Scotch whisky.

Construction of the new 55,000 sq.ft. Hub is underway adjacent to the Ayrshire College campus in Kilmarnock town centre.

HALO has evolved through significant community and partner consultation and engagement to deliver sustainable, long-term economic and social benefits.

In a UK first, its renewable deep geothermal district heating network will address fuel costs on the site and have the capability of being extended to service Kilmarnock, Ayrshire and the wider Scottish communities.

Dr Marie Macklin CBE said "We're not creating a shiny building, we're creating a new economy and that's what I'm doing with my team. It's an inspirational, innovative 'live, work, learn and play' project, led by the community."

This enterprising and collaborative approach was also adopted in the

construction phase between the structural engineer, contractor and manufacturer.

Sundolitt worked with the team to create a design that will reduce long term settlement around the retaining wall.

Using lightweight Structural Fill EPS against the retaining structure simplifies the design due to the reduction in lateral pressures. This allows a reduction in the amount of concrete used, thereby reducing the carbon footprint of the construction.

The lightweight EPS Fill will perform for the lifetime of the building and is only around 1% of the weight of traditional fill materials.

As an engineered product it can be produced to the required strength to suit each application.



A Business Built on Air

EPS Benefits

 Load Bearing

 Lightweight

 Resistant to freeze/thaw

 ODP = 0 GWP = <5

 Versatile

 Fully Recyclable

For further enquiries you can contact our sales manager direct:

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