



Case study

Landscaping - Q9 Edinburgh

Product Structural Fill EPS
Area 600m²

Q9 is a ten storey commercial building and part of Quartermile Edinburgh. The project is part of Scotland's largest regeneration schemes - a prestigious, cosmopolitan mixed development designed by award winning international architects, Foster and Partners.

Located on the historic eight hectare site of the city's former Royal Infirmary the development will provide over 30,000 sq. m of offices, 10,000 sq. m of retail, restaurants and cafes and over 1000 apartments.

Being in the heart of Edinburgh which was designated a World Heritage Site in 1995 the development required a large public landscaped area to be created. Around Building Q9 the landscaping could not impose extra loading on the soil and foundations.

Structural Fill EPS Blocks were used to lighten the load. Ground contours can be built up without adding high loads which can create uneven settlement on poor

EPS is very lightweight, around 1% that of traditional fill materials yet with high strengths capable of withstanding vehicle traffic.

Bryan Mawer, Sales Manager for Sundolitt states "EPS ticks all the boxes for these applications. In civil engineering traditional materials can place unacceptable horizontal and vertical stress on the underlying soil and surrounding structures. EPS is lightweight and strong and is rot proof, making it ideal for landscaping applications such as this at Q9".

Structural Fill EPS continues to prove its capabilities as a modern method of construction in Civil and Ground Engineering. Providing the solution to the UK's challenging, varied and often unstable ground conditions.



EPS Benefits

-  **Load Bearing**
-  **Lightweight**
-  **Water Resistant**
-  **Resistant to freeze/thaw**
-  **ODP = 0 GWP = <5**
-  **Versatile**
-  **Fully Recyclable**

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