



Case study

Raising Ground at Shard Place, London Bridge

Product XPS 700

Application Void Former Below Hard Landscaping - 3000m²



The project at Shard Place is sited in the shadow of the imposing glass structure of The Shard, the tallest building in the UK standing at 1016 ft.

This project will mark the third phase of the 2.5 million sq ft regeneration of Shard Quarter, London Bridge.

Sundolitt XPS 700 was selected to raise the levels of new hard landscaping. Its high compressive strength and durability make it an ideal material for this application as a lightweight void-filler.

Used as a structural void filler XPS reduces loads imposed on adjacent and underlying soils and structures, being approximately 1% the weight of traditional fill materials.

As a lightweight void fill it can reduce settlement and improve stability of structures built over poor ground. Its excellent thermal properties will also protect the construction against frost heave.

XPS is resistant to ground moisture and can be installed in wet conditions directly onto the sub-base without the need for a membrane below.

Sundolitt XPS has exceptional load-bearing properties with strengths available up to 700kPa. It is inert and non-toxic, easy to handle and install.

The long term thermal and strength performance of XPS are not affected when it is installed in wet conditions. Our XPS will last the lifetime of the construction into which it is incorporated.

XPS 700 was specified on this project to withstand the constant foot traffic of a busy thoroughfare and loads imposed by street cleaning equipment with a relatively thin pavement construction above.

Our high strength grades can also be used to allow access over hard landscaping for emergency vehicles where necessary.



XPS Benefits



Load Bearing



Lightweight



Water Resistant



Resistant to freeze/thaw



ODP = 0 GWP = <5



Versatile



Fully Recyclable

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