



Structural – The Willis Building, 51 Lime Street, London



Project details:

Foster & Partners has provided Willis with a new and sustainable home in the City of London. Comprising a 28 storey tower, 125m high, on Lime Street, making it the 4th highest building in London at the time of construction, and a 10-storey building on Fenchurch Avenue, the building is a dynamic addition to the City. With a fringe of shops, cafes and bars at its base, the scheme extends the vibrancy of nearby Leadenhall Market, creating a lively retail centre in the City as well as a new public space.

The Willis Building was awarded an Environmental Performance Indicator of 10/10 for its low energy consumption and the high standards of sustainable construction employed.

With a progressive environmental strategy, 51 Lime Street beats Building Regulation carbon reduction targets by over 20 percent.

Lytag[®] lightweight aggregate concrete was used as a structural concrete screed laid on a concrete slab to bring up levels to take the limestone and granite hard flooring.

The reason for using Lytag[®] lightweight aggregate in the concrete was to reduce the weight of the insitu screed.

Project:

The Willis Building, 51 Lime Street, London

Date:

2005 - 2007

Client:

British Land Company

Architect:

Foster & Partners

Structural Engineer:

Whitbybird

Main Contractor:

Mace

Readymix supplier:

CEMEX

