



Screed – City Hall, London



Project details:

City Hall is a distinctive glass globe, with a purpose built assembly chamber and offices for GLA staff. The building is 45 metres high, with 185,000 sq ft (gross) of floor space spread over 10 floors. The building has no front or back: its shape is derived from a geometrically modified sphere.

It is a unique and unusual building. Nothing quite like this structure had been constructed before and its challenging shape demanded innovative solutions at every level. City Hall is also one of the most energy efficient and sustainable structures in the capital.

A Lytag[®] lightweight aggregate 8:1 (by volume) no-fines screed with a 4:1 (by weight) cement: sand topping was used on the floors thus reducing the screed density by approximately half and helping with the sustainability requirements.

Project:

City Hall, London

Date:

2002

Client:

More London
Developments/Greater
London Authority

Architect:

Foster and Partners

Structural Engineer:

ARUP

Main Contractor:

Mace

