

Project name, location	Bridgewater Place
Year of completion	2007
Client	Bridgewater Place Ltd
Contractor	Bovis Lend Lease & P C Harrington Contractors Limited
Consultant	Connell Mott MacDonald



Project description

Bridgewater Place is a £56 million, 32 storey multi-functional development with a mixture of offices, hotels and flats. At 115 metres in height it has become Leeds' tallest building.

The commercial development creates 215,000 sq ft of office and retail accommodation around a 9 storey atrium with 190 apartments above in the 32 storey tower.

All floors above ground are 225mm deep post tensioned flat plate slabs on a 7.5m x 9m grid. Post-tensioning was chosen due to the large savings in materials (thinner slabs and reduced steel tonnage) increase in span lengths, reduction in foundation requirements and reduction in the floor to floor construction cycle time, which got down to a 4 day cycle on a regular basis on the tower.

PT tonnage	200t
PT system(s) and size(s)	Bonded flat duct, 5no 12.9mm strands
Principal benefits of using PT on this project	Thinner slabs allowing more floors.