

MARINE AGGREGATES IN CONSTRUCTION

THE MINT HOTEL



Source: This is Concrete

BACKGROUND

The Mint Hotel Tower of London, designed by Bennetts Associates, is located on a tight island site bound by Fenchurch Street Station to the north and conservation areas to the south and west.

The 583-bedroom hotel takes the form of a broad courtyard with the facades following the medieval street edges of the adjoining area. A vaulted glass roof marks the division between the public areas and the bedroom floors.

One of the key attractions is the SkyLounge, an imposing structure at the top of this 12-storey building that cantilevers over the lower levels and offers spectacular 360° views over the City of London and the River Thames.

A key requirement for the client was for all walls between rooms to be concrete, proving high levels of thermal efficiency, fire resistance and sound insulation.

CONSTRUCTION NOTES

The best structural solution was determined to be precast concrete twin wall with lattice slabs with structural topping.

In-situ concrete construction was used for the levels from the basement to the second floor and the use of high quality shuttering ensures an excellent finish for exposed concrete in public areas.

CONSTRUCTION CATEGORY

Structural concrete, slip formed concrete

END USE CATEGORY

Built environment, leisure

CASE STUDY 17

This case study forms part of a library of case studies demonstrating the successful use of marine aggregates in construction