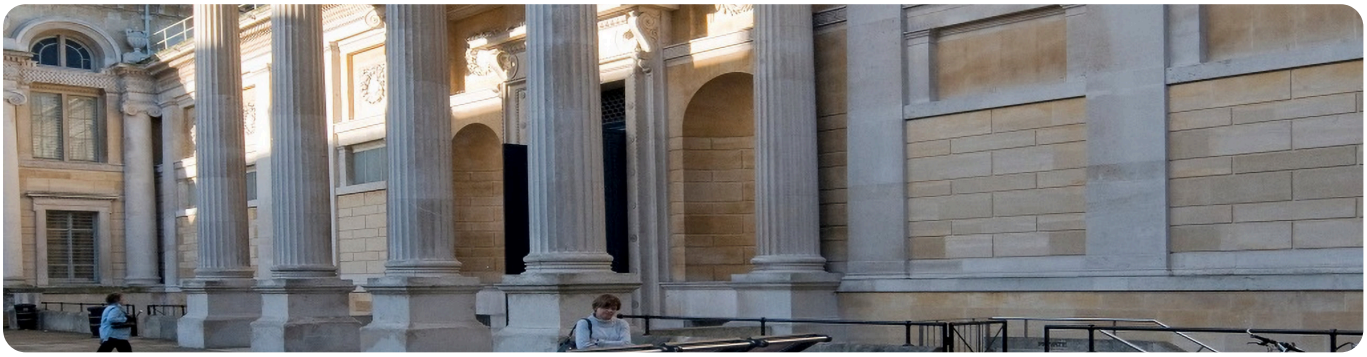
renlon

CASE STUDY

OXFORD

The Ashmolean Museum, Oxford University

Type A waterproofing to the 4,000 m² basement of the world's first university museum, protecting the collections stored below ground.



LOCATION
Oxford

SECTOR
Heritage · Commercial

CLIENT
Oxford University

PROJECT
Museum redevelopment

BASEMENT
4,000 m²

SYSTEM USED
Three-layer Type A (Sika)

SERVICES
Basement & Structural Waterproofing, Type A Barrier Protection (Tanking)

THE CHALLENGE

The redevelopment, designed by Rick Mather, retained the original Grade I listed elements and doubled the gallery space.

The waterproofing was specified to BS 8102, had to keep moisture away from the artefacts in the basement, and materials had to arrive to tight site deadlines.

WHAT WE DID

- Supplied with Sika Waterproofing: 250 tonnes of pre-bagged mortar and 27,500 litres of Sika-1.
- A first layer of Sika-1 Spritz Mortar, then second and third layers of Sika-1 Render and Finishing Mortar to the walls and Sika-1 Screed Mortar to the floor.
- An epoxy cementitious surface damp-proof membrane with a two-part bonding agent.

THE RESULT

The membrane shortened drying times over the mortar, so the work ran ahead of schedule.

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