



**JOHN NEWTON**  
& COMPANY LIMITED (EST. 1848)

Technical Enquiries  
enquiries@newton-membranes.co.uk

Sales - Head Office  
020 7237 1217  
info@newton-membranes.co.uk

John Newton & Company Ltd  
12 Verney Road, London SE16 3DH  
www.newton-membranes.co.uk



## Case Study

### BASEMENT WATERPROOFING - SOUTHAMPTON, HAMPSHIRE

## SOUTHAMPTON HOTEL

### Structural Waterproofing System for New Build Project

#### History

John Newton & Co supplied a Structural Waterproofing system as part of the circa 50 million pound development of an existing House into a new hotel in the New Forest which included four basement areas.

LSE Building Preservation, a Newton Specialist Basement Contractor, were employed by Carillion, the main contractors to waterproof the new and existing basements and earth retaining aspects of the new structure.

#### Methodology

LSE designed and installed our Newton 500 cavity drainage membrane to all earth retaining walls and drainage was by way of our Basedrain drainage conduit. The system was installed to the first three basements. The fourth basement is still under construction.

Most of the waterproofing relies on the site drainage arrangements. In one area a sump with pumps has been installed, due to limitations on passive drainage being achieved.

The membrane system has been installed to the internal face of the external poured concrete walls with the internal block work walls being built and tied into the heads of the sealed fixings used for securing the membrane.

Inspection ports/jetting eyes have been installed at strategically placed locations, in order to make the system accessible for maintenance and or inspection.

#### Result

The main contractor, Carillion and the specifier had the benefit of a waterproofing designer that could take full product and installation liability. In addition, the installation was backed by a GPI insured guarantee meaning that were the company to go out of the business the client would be fully protected.

#### The Benefit

This site was extremely wet and the logistics of installing an external waterproofing system would have been extremely difficult. Thus, the internal system could be installed quickly and cleanly allowing the programme of works to proceed without violating critical timescales.

**CONTRACTOR: LSE Building Preservation Limited**

