



***Repair, Reinstate, Restore***

Colchester Castle Museum is a 1950's steel framed building housed within the existing walls of Colchester Castle, a scheduled ancient monument as defined in the Ancient Monuments and Archaeological Areas Act 1979 (as amended) Section.



Repair works to the roof covering was put out to tender mainly to roofing contractors as the major part of works related to the application of a Liquid Plastics Ltd (LPL) liquid applied membrane system. Works were also specified for the repair of the concrete elements of the roof lights.

In addition to our concrete repair capabilities, our operatives hold CSCS cards in liquid membrane application and are an approved LPL contractor. Structural Renovations were therefore able to provide a cost effective quotation for all the works.

The contract was required to be carried out in a 4-week period prior to the May Bank holiday weekend whilst the Museum was closed. Detailed forward planning and sequencing of the work together with strict procurement and delivery of plant and materials was vital to meet the very tight programme.

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## PROJECT PROFILE

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### Colchester Castle Museum

Extensive protection was not only required to the listed structure both internally and externally but also to artefacts within the Museum.

Scaffold access to the roof was not permitted due to the Castle's listed status therefore all materials and plant had to be manually carried up the Great Stairs. Journeys down the stairs for tea and loo breaks were not wasted as all arisings were removed at the same time.

Concrete repairs were carried out to the central roof light structure using a polymer modified hand placed repair mortar followed by application of a fairing coat and anti-carbonation coating.

The existing asphalt roof covering was cleaned and overcoated with the Liquid Plastics Gamma 20 system, which offers a 20-year guarantee.



Although additional works were instructed during the contract the works were still completed in time for the Museum to reopen as scheduled.

The benefits of a liquid applied system over traditional asphalt were clearly demonstrated on this project, not only by access issues but also by the reduction of fire risk and potential problems that bad weather could raise.

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