

Case Study: Norwich Castle

Project

Norwich Castle, Norfolk

Building owner

Norwich City Council

Roofing Contractor

Briggs Amasco, Norwich

Roofing System

Sarnafil G410-15ELF
Lead Grey with batten profiles to replicate lead
Fully adhered for aesthetic reasons

Project Size

500m²

Completion Date

November 2004

Norwich City Council has proactively refurbished the rotunda roof of the Grade 1 listed Norwich Castle, using a Sarnafil membrane.

Overcoming the challenges facing the Council was key to the success of the project. These were health and safety, time, cost, and aesthetics.

With health and safety at the forefront of any specifier's mind; a cold applied system was used to secure the membrane, eliminating the need for naked flames on the roof.

Norwich City Council commented, "The Castle Museum houses collections of national importance, not only did we have to consider the safety of staff and the public, but also the historic collections whose home is beneath the rotunda roof. The need to eliminate hot works on this project was a huge issue in specifying the products to be used."

Sarnafil's new Batten Profile and Lead Grey coloured Sarnafil G410-15ELF membrane was used on the project to overcome cost and ease of installation issues. This demonstrates just how far Sarnafil single ply membranes have

come in the reproduction of traditional metal roofs such as lead and other standing seam metal roofing systems.

Reproducing batten rolls in Sarnafil is not new, for many years this has been done using membrane adhered to timber battens. Many clients found this cost prohibitive but with the introduction of the new extruded Batten Profile, with its moulded stop ends and connections, imitating traditional lead batten rolls has become quicker, easier and more cost efficient.

Aesthetically Norwich Castle's roof needed to retain its traditional appearance, meeting the rigid guidelines applied to listed buildings and ensuring continuity with the other areas of the roof. The second issue of aesthetics was the timber underside of the roof - on view to the general public. The use of an adhered system ensured that mechanical fixing was not required.

Timing on the roof refurbishment project was also a pivotal factor. The need to minimise disruption to all parties influenced by change at the castle, and to keep costs down was

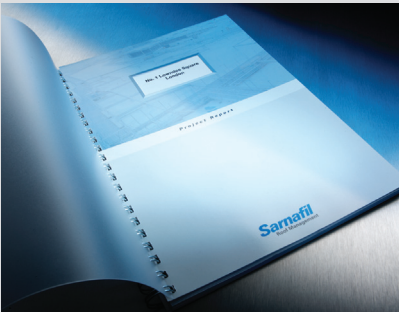
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supported by Briggs Amasco of Norwich. "It took four men, four weeks to complete the project." Says Brett Cornish at Briggs, "The installers expertise was challenged by the shape of the roof, and after a very intensive four weeks I think we can safely say that we all rose to the challenge and enjoyed the opportunity to have been a part of this successful project. The technical team at Sarnafil provided excellent support and we look forward to many more of these interestingly intricate roofs to come."

The council added "we are very pleased with the quality of work and the end results. Whilst there are a number of products in the marketplace I feel that using the new Sarnafil Batten profile with the lead grey membrane fulfilled all of our extensive criteria."

After completion of the intensive Sarnafil 33 point inspection, the roof has received its 15 year guarantee, ensuring piece of mind for Norwich City Council and enjoyment of visitors to the castle for many years to come.

For further information on Sarnafil Roof Refurbishment, please contact Sarnafil on 01603 748 985, email roofing@sarnafil.co.uk or visit our website: www.sarnafil.co.uk/refurbishment



As with all Sarnafil Roof Management projects, comprehensive documentation was provided, outlining or recommendations. Sarnafil Roof Management survey reports include re-roofing specification, project specific CAD drawings and wind load calculations.



The roof before refurbishment



Is it lead or isn't it? Sarnafil Batten Profile creates the look of a traditional lead roof



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