



# Case Study

## The Mountbatten Centre, Portsmouth



Originally built in the 1930s with a recent £20million investment, the Mountbatten Leisure Centre offers a 50m swimming pool suitable for National Galas, and is listed as a potential Olympic training venue. The facility also offers a state-of-the-art new gym and health suite.

London 2012 have recognised the potential of the Mountbatten centre and it has been included in the Pre-games training camp guide for the 2012 Olympic Games and Paralympic Games.

Having previously undertaken Concrete repairs and Waterproofing works at other 2012 venues (Uxbridge Lido) (Crystal Palace National Sports Centre swimming pool) **Cemplas Waterproofing and Concrete Repairs Ltd** were recommended by Portsmouth City Council quantity surveyors to their term contractor KPA Building & Maintenance Specialists Ltd, and were duly appointed to undertake major concrete repairs to the dilapidated in-situ concrete ringbeam of the original building which overlooks the running tracks.

Large areas of concrete spalling was proving to be a health and safety issue due to sections falling away on the rear elevation of main grandstand.

Due to the coastal location, samples were taken and sent off to analyse the Chloride content, and carbonation test were taken on all levels. Areas requiring repair were identified by Cemplas, and remedial repairs were undertaken which included installing new steel reinforcement to large sections which were then shuttered and recast using Sika Armocrete micro-flowable concrete. Hand placed repairs were also undertaken using Sika Monotop 612 & 615 Repair Mortars. A Corrosion Inhibitor (Sika FerroGard 903) was then applied, and an overall levelling coat (Sika Monotop 620) applied to provide additional protective cover. This was then completed with a three component anti-carbonation protective treatment Sika Aquaprimer followed by two coats Sika 550W Elastic.

Cemplas completed the work on schedule, and within budget, and on completion, the work undertaken by Cemplas was checked and signed off by the City council, and a 10-year workmanship certificate was issued by Cemplas.

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