



Case Study

Control House, South Pier, Great Yarmouth



Cemplas Waterproofing and Concrete Repairs Ltd were invited by the Great Yarmouth Port Company Ltd (GYPC) to undertake a survey and inspection of the Control House to the South Pier in Great Yarmouth which had been closed off to members of the public due to the unsafe nature of the concrete elements of the structure.

The first stage when undertaking any Concrete Repair is for Cemplas trained operatives to assess the damage, deterioration and provide a diagnosis of the cause.

A proper assessment will include analysis of the current condition of the structure, including both visible and latent deterioration. An understanding and consideration of the client's objectives, with regard to financial constraints and the future requirements of the structure is as important, at this stage as the extent of the structure's problems, as the results can affect the client's considerations regarding the most cost-effective repair solution.

Cemplas put together a proposal to undertake the remedial repair works, and were instructed by the client to commence setting up the site by installing safety barriers and fencing in prior to commencing.

A cherry picker and welfare unit were installed on site, and Cemplas operatives began by breaking out all areas of defective concrete back to a sound substrate, and exposing the steel reinforcement bars. Due to the extent of some of the corroded steel, they had to be replaced with new reinforcement bars.

All steel reinforcement was then thoroughly cleaned and primed with Weber Keycoat rust inhibitor.

And sacrificial anodes were installed to the steel rebars prior to reinstating the defective concrete using Weber HB40 repair mortar.

Once the entire concrete repair works had been completed, Cemplas applied Weber Cote primer and two coats of Weber Cote EC to the areas of repaired concrete.

To complete the project, a Waterproof Resin Coating was applied to the top concrete beam where there was an existing asphalt overhang.

All work was completed on time and within budget to the complete satisfaction of the client.

For expert advice, or if you wish to view a comprehensive list of our previous case studies, please visit **www.cemplas.co.uk**.

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