

Case Study....

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BRIDGES &
HIGHWAYS

RAIL

AIRPORTS

ROOFING

WATER SUPPLY

BASEMENTS

TUNNELS

CAR PARKS

Project : Eaton Park Yacht Pond
Location: Norwich, United Kingdom
Client: Norwich City Council
Main Contractor: R G Carter Ltd



Description:

As a result of concrete deterioration caused by severe sulphate attack, the effects of alkali-silica reaction (ASR) and the continuing problems with leakage through the joints within the concrete base, the client decided to remedy the problem. In view of the need for a long-term solution which was part of the Heritage Lottery Funding criteria, the client carried out an extensive study of the possible material for lining out the pond.

As part of the approval process PmB was used on a trial section and following the success of the trial and examination of similar previous uses of the system, PmB was selected and specified for the lining of the pond. The PmB system was selected on the basis that it could provide a seamless, elastomeric, impermeable barrier preventing further water ingress and corrosion. In addition, it was a requirement that the chosen system be flexible and have the ability to deal with the extensive cracking within the structure, and also be suitable for installation over uneven and variable substrates.

With the inherent properties of high flexibility with up to 300% elongation at break, 14mm dynamic static crack bridging capability, excellent adhesion to concrete and rapid gel time, PmB was considered an ideal solution for the client. Quality control measures, including thickness checks, adhesion testing and an electronic leak detection survey, also appealed to the client. As part of the approval requirement, the client was issued with a ten-year labour and materials warranty covering the PmB installation.

Pitchmastic carried out the concrete repairs, renewal of existing joint sealants, together with the PmB waterproofing work which were completed to the satisfaction of all concerned.



Waterproofing



A Division of Pitchmastic PmB Ltd



International

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