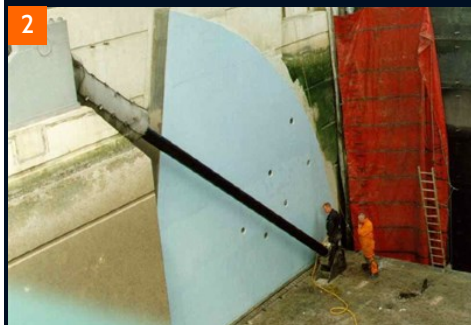


BELZONA PROTECTS RIVER BARRAGE 12 YEARS ON

ID: 2374



PROBLEM

The Tees Barrage was opened in 1995 with a designed life of 120 years. However, the client quickly found the rubber seals on moving gates were being damaged by the concrete walls when the barrage gates were raised and lowered. Trials were conducted for potential solutions in 1997 and only the Belzona application proved itself in practice.

APPLICATION SITUATION

Flood defence barrage on tidal river.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet CEP-10.

BELZONA FACTS

The full scale application only proceeded once the initial trial had proven successful. A competitor's system had also been tried but wasn't able to be applied successfully. 4 gates each had 2 arcs of Belzona® 1341 applied, totalling about 400m². To date, the application is over 12 years old and, although each gate undergoes annual inspection, there has been no sign of any breakdown in any of these areas.

INDUSTRY

Marine

LOCATION

British Waterways, Teesside, UK

APPLICATION DATE

Trial September 1997. Full scale application May 1999

PRODUCTS

Belzona 4911 (Magma TX Conditioner)
Belzona 1341 (Supermetalgilde)

SUBSTRATE

Concrete

PHOTOS

1. Clear evidence of abrasion on concrete from the rubber seals in 1997
2. Completed application of Belzona 1341 in 1999
3. Still in service over 12 years later in 2011
4. No breakdown of Belzona 1341 on any of the 4 barrage gates spanning the Tees in 2011

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

