

# Belzona Repairs and Protects Corroded Exhibition Supports

ID: 5936

**Industry:** Commercial Facilities  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Steel  
**Products:** \* Belzona 1111 (Super Metal) ,  
\* Belzona 5811 (Immersion Grade) ,  
\* Belzona 5111 (Ceramic Cladding) ,

**Customer Location:** Museum, Bristol, UK  
**Application Date:** September, 2015

## Problem

During the life of the exhibition, the metal support structure underneath the exhibition was heavily corroded by the oxidising nature of the Bromine Water. The museum were concerned about the corrosion and thus the decreasing strength of the supports.



## Photograph Descriptions

- \* 1. Supports before application ,
- \* 2. Supports before application ,
- \* 3. Application of 5811 underway ,
- \* 4. Finished application showing close colour match achieved with Belzona 5111 ,

## Application Situation

A museum located in Bristol city centre had an exhibit which uses 5% Brominated Water.

## Application Method

Application was carried out in accordance with Belzona System Leaflet TCC-5. The corroded metal structure was blasted back to bare metal using sponge blasting as the client was concerned about the dust created by using regular grit blasting. Areas that were especially corroded and damaged were rebuilt using Belzona 1111. Belzona 5811 was applied with a top coat of Belzona 5111 to protect against oxidation and provide a good colour match.

## Belzona Facts

The Belzona application was considerably cheaper and easier than a complete replacement of the support structure. It provided a

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
Management System.

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quick turnaround time that will provide long term corrosion protection.

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