

BELZONA SEALS FOUNTAIN LEAKS

ID: 2465

Industry: Buildings & Structures

Customer Location: Millennium Fountain, South West England

Application: FPA-Floor Problem Areas

Application Date: October 2011

Substrate: Welsh Slate

Products: * Belzona® 4111 (Magma Quartz) ,

Problem

After 11 years of service the Millennium Fountain started to leak from between the base and the side wall interfaces within the pond areas. The water was leaking onto the pathways and staining the side walls of the fountain. Also the cost of the water loss was running into thousands of pound per year.



Photograph Descriptions

- * Failed fillets within the fountain ,
- * Building the new Belzona® 4111 fillets ,
- * Belzona® 4111 fillets completed and the slate joint being filled with the slurry mix ,
- * Completed application with the fountain refilled and back in use ,

Application Situation

Large architectural water feature in city centre site.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet FPA-3. The existing failed rubber fillets were removed; the joints were then dried out and prepared to a good firm dry substrate. After carefully masking the area a fillet of Belzona® 4111 was applied between wall and floor in the pond areas. The Belzona® 4111 was tinted to match the slate colour. A slurry mix of Belzona® 4111 was also poured to seal between the slate slabs.

Belzona Facts

The product costs of the Belzona solution was about £2,500, the water loss was about four times more than this per year. The

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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product was chosen because of the quick curing times and its ability to be colour matched to the welsh slate used in the fountains construction. This was a key to the success of the project as the repairs needed to blend in with the original look of the fountain.

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