

BELZONA OFFERS CHEMICAL RESISTANCE AT DRINKS MANUFACTURING PLANT

ID: 8485



PROBLEM

The customer had previously performed two repair attempts using traditional repair methods. During the previous repair, the sealing was covered with a chemically resistant sheet. This solution was verified by high temperature and aggressive medium. Frequent and intensive washing during the production process caused the sheet to detach, which resulted in increased leaks between the concrete surface and the metal outflow, which resulted in further degradation of the substrate under the sheet and along the drain line. Repeatedly performed traditional repair methods assisted with the use of sheet metal covers have proved ineffective.

APPLICATION SITUATION

One of the world's largest producers, distributors and sellers of non-alcoholic beverages need a solution for a drain on a CIP installation.

APPLICATION METHOD

Applied using Belzona Know How System Leaflet FPA-3 Incision and forging of the degraded substrate around the drain. Ensuring the surface was clean, rough and dry. Application of Belzona 4981 activator to the prepared substrate. Rebuild larger cavities with a mixture of quartz sand and Belzona 4154 resin. Application of a chemical-resistant lining with Belzona 4181 composite, approx. 6 mm thick, on the rebuilt surface.

BELZONA FACTS

Belzona composite technology has provided a permanent solution for repeated failure - Repair - Once and for all. Achieving the full strength parameters of the floor in a short time, speed of repair (hardening time of the composite), and therefore short downtime. Increasing occupational health and safety. Thanks to the removal of the defect, avoiding potentially dangerous events - skidding, tripping, capsizing, overturning vehicles, etc. The adhesion of Belzona products to metal and concrete guarantees effective and durable sealing in the area of concrete-metal connection.

INDUSTRY

Food & Drink

LOCATION

Poland

APPLICATION DATE

March 2021

PRODUCTS

Belzona 4154 (Bulkfil Resin)
Belzona 4181 (AHR Magma Quartz)
Belzona 4981 (Magma HT Conditioner)

SUBSTRATE

Concrete

PHOTOS

1. Leaks on existing drain area.
2. Application of 4981 on the roughened surface.
3. Large area of drains to be protected.
4. Completed Application

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.

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