

Case Study

Completed Project

Heineken Brewery Internal Coating of the Neptune Tank

The original tank was refurbished over 15 years ago with the Copon KSIR88 System when the plant was originally Bulmers. Over recent years the tank had been taken out of the main production storage operation. Heineken recently acquired Bulmers and are now embarking on planned maintenance and upgrades of the entire site and they required the tank to be put back on line, for use as cider and pear concentrate storage.

The Chosen System

3M™ Scotchkote™ Epoxy Coating KSIR88

When the original coating was inspected there were only small areas of degradation on the tank walls and floor which gave the client the confidence to use the system again.

Additionally, because the tank coating was in such reasonable condition, it meant that minimal preparation would be required prior to the application of the new coating, providing considerable savings to the client on preparation costs.

Scotchkote Epoxy Coating KSIR88 is a high solids epoxy coating with a proven track record in the brewing industry. It has a WRAS listing for contact with potable water, and is resistant to a range of aqueous solutions including dilute mineral acids, oils and brewing liquors.

Application

The original coating was lightly blasted to achieve a surface profile of 90 microns. Corrosion was evident in a number of areas on the tank floor, these holes were repaired by cold bonding plates with 3M™ Scotchkote™ Epoxy Metal repair products. The system was then applied at the required dry film thickness to both the tank walls and floor.

The system is designed to offer a life to first major maintenance of 10 years.

The application was by D & R Maintenance Solutions Ltd.

Future work includes the refurbishment of the exterior tank itself, using 3M™ Scotchkote™ Encapsulation Coating Polynox 136.

The results of each product application will vary based on numerous factors including, but not limited to, the type and condition of the item, the application and the environmental conditions. Case studies should not be relied on for product selection, which should be made based on 3M technical data. The user is responsible for determining the suitability of the product for the intended application.

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17673/Case Study Heineken Tanks Sep 2013
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