

Belzona solves a 20-year gutter issue at Premier League Football ground

ID: 10036

Industry: Commercial Facilities
Application: RPA-Roof Problem Areas
Substrate: Carbon steel
Products: Belzona 1161 (Super UW-Metal), Belzona 3111 (Flexible Membrane), Belzona 3921 (GSC Surface Conditioner)

Customer Location: Nottingham
Application Date: July 2021

Problem

A 100m gutter had had been leaking for almost 20 years, having had many repair attempts over the time, none of which were successful. The leaking gutter would let large amounts of rain water onto the enclosed concourse below, making the surface slippery and dangerous to thousands of people when raining on match days.



Gutter above concourse, showing corrosion, failed joints and dropped edges.



Scaffolding in place during repairs.



New pre-fabricated gutter linings ready to be bonded over the existing failed substrate with Belzona 1161 then coated with Belzona 3111.



Completed reline and coating.

Application Situation

Out of season, it was decided to over-clad the existing gutters with pre-fabricated steel gutter lining sheets. These would be bonded onto the existing substrate using Belzona surface tolerant epoxies, prior to overcoating with Belzona flexible membrane.

Application Method

Original substrate cleaned by high pressure water and left to dry.

Pre-fabricated steel sheets were bonded over the original failed substrate using Belzona 1161.

The new steel was pre-conditioned using Belzona 3921.

2 coats of Belzona 3111 were then applied to completely protect the new steel.

Belzona Facts

The water ingress was stopped immediately, much to the relief of the operations manager and ground staff. The concourse remains dry and water free.

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

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