

Belzona Roof Repair in Ore Mine

ID: 9386

Industry: Mining & Quarrying
Application: RPA-Roof Problem Areas
Substrate: Other
Products: Belzona 3111 (Flexible Membrane), Belzona 3911 (PSC Surface Conditioner)

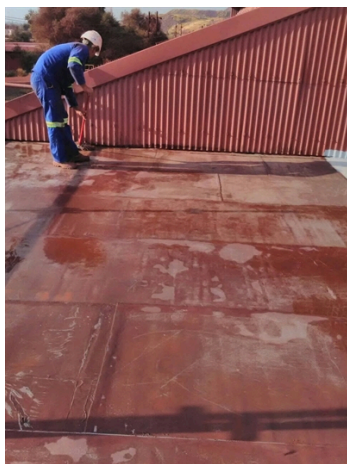
Customer Location: Ore Mine in South Africa
Application Date: January 2020

Problem

The old weather proofing systems had failed and there was water and dust entering these substation roof through the seams and joints.



Leaking roof area



Surface preparation



Application in progress



Another area being coated

Application Situation

Within the mining industry, power plays a crucial role in various processes, necessitating the use of switchgear often housed in purpose-built structures. One vulnerable area in these structures, particularly susceptible to harsh African sunlight, is the roofing. Given the unfavourable combination of water and switchgear, the expertise of AESSEAL (PTY) Ltd comes into play.

Application Method

The original coating was removed as it was loose. On completion of surface preparation including washing and degreasing, Belzona 3111 (Flexible Membrane) was used in conjunction with the Belzona 3911 (PSC Conditioner) and Belzona 9311 (Reinforcement Sheet). This facilitated swift waterproofing of the compromised roof sections. The application area was 150 square metres.

Belzona Facts

The Belzona 3000 series was selected as it has all the properties that were required by the mine, the most important being that the product is UV stable. We also chose them because they do not need special tools and are easy to apply and safe to work with. AESSEAL (PTY) Ltd have completed e +/- 10 substations at the mines over the last 5 years. The first repair was completed on a hydraulic roof and this repair has been in service for 8 years and still no defects visible.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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

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