BELZONA PROTECTS PIPE ELBOWS FROM ABRASION

ID: 1280

Industry: Mining & Quarrying Customer Location: Copper and Gold Mining Operator,

Bulgaria

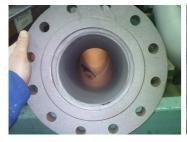
Application: SHM-Solids Handling Machinery Application Date: March - June 2009

Substrate: Steel

Products: * Belzona® 1811 (Ceramic Carbide)Belzona® 1812 (Ceramic Carbide FP),

Problem

Severe abrasion damage on inside surfaces of the pipe elbows.









Photograph Descriptions

* Abrasion damage clearly viewable after blastingApplication of internal protective coatingExternal bonding of metal doubler platesFinished protected pipe elbow ,

Application Situation

6 and 4 inch (150 mm and 100 mm) diameter back-fill pipe elbows with different curves (11, 45 and 60 degree).

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-8. Belzona® 1811/1812 have been used to protect elbows from further abrasion attacks. Application was either internal coating (for 6 inch diameter) with Belzona® 1812 or external bonding of metal doubler plates (for 4 inch diameter) with Belzona® 1811.

Belzona Facts

Previously customer had to replace non-protected elbows every three-five days or to use expensive but unsuccessful welding. Pipe elbows have been and continue to be protected with Belzona, increasing the working live to more than a month. As a result the customer saved money on replacement costs.

ISO 9001:2015 Belzona products are
FS 695214 manufactured under an ISO
ISO 14001:2015 9000 Registered Quality
EMS 695213 Management System.

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