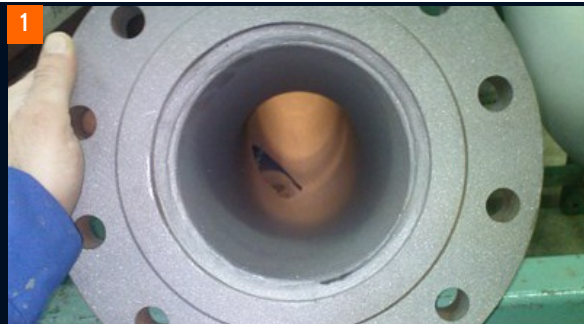


BELZONA PROTECTS PIPE ELBOWS FROM ABRASION

ID: 1280



PROBLEM

Severe abrasion damage on inside surfaces of the pipe elbows.

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 life to more than a month. As a result the customer saved money on replacement costs.

INDUSTRY

Mining & Quarrying

LOCATION

Copper and Gold Mining Operator, Bulgaria

APPLICATION DATE

March - June 2009

PRODUCTS

Belzona 1811 (Ceramic Carbide) Belzona 1812 (Ceramic Carbide FP)

SUBSTRATE

Steel

PHOTOS

Abrasion damage clearly viewable after blasting
Application of internal protective coating
External bonding of metal doubler plates
Finished protected pipe elbow

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.

www.belzona.com

