

Elastomeric Solutions for Conveyor Repairs

Conveyor systems are exposed to heavy wear due to the abrasive nature of the materials that cause premature failure to its components, such as belts, fasteners, and drive rollers. Replacement of the parts is an expensive alternative that also increases downtime. Belzona solutions have been found to provide economical in-situ repairs with minimum disruption to the plant operation.

Conveyor belts constantly work under the demanding conditions of the mining environment, where the weight and abrasiveness of materials cause rips, tears, holes and slits.



Belzona Solutions Provide:

- Outstanding abrasion resistance
- High elasticity
- Exceptional mechanical strength
- Rapid curing ensure minimal downtime
- Conventional solutions are costly and require large equipment and hot work – MonoFlex Vulcanising

Belzona 2100 Series

Abrasion and erosion resistant flexible polyurethane systems for durable repair, rebuilding and coating applications.



Belzona 2200 Series

Multi purpose flexible polyurethane systems for repair, rebuilding, coating and casting applications.

Company Description

Belzona manufactures **repair materials and protective coatings** for restoring and maintaining industrial machinery, equipment, buildings, and structures.

Cost-Effective Solution

Due to the speed of application, material costs and minimised downtime.

Experience

Belzona solutions are continuously used by Manufacturers all over the world.

High Performance

These systems offer excellent adhesion, quick back-to-service time and lasting service.

Supply & Apply

Belzona provides application, inspection and training services.

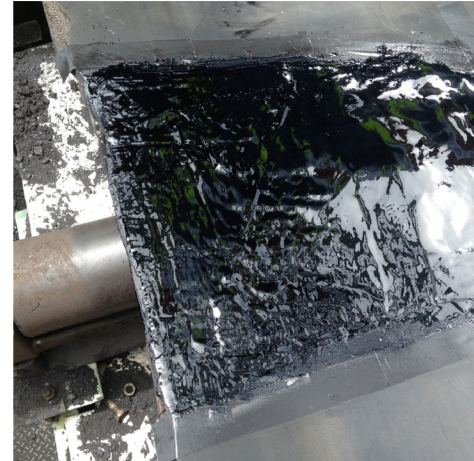
Belzona Know-How *in Action*

Conveyor Belt Repair Saved Coal Terminal Money and Downtime

Problem

KHIA ID: 5286

This conveyor system had to be ready for use the following Saturday, however the coal conveyor belt had got caught on the roller and as a result, "burnt" the belt. The customer could not wait for a vulcanized repair so Belzona was contacted to see if problem could be remediated using one a Belzona 2000 Series product.



Solution

The outage of the conveyor belt would have cost the customer \$2000 per day therefore they needed an immediate solution. The belt was prepared using grinder and roughing brush. Belzona 2111 (D&A Hi-Build Elastomer) was applied to surface, and a reinforcement sheet impregnated with Belzona 2121 (D&A Hi-Coat Elastomer) and placed across repair area. After one year in service the belt is still in use and the customer has since had additional conveyor belt repairs completed.

Belzona Elastomers :

- Are applied without the need for any specialist tools or equipment
- Provide outstanding resistance to wear and abrasion
- Have excellent bond strength to the base material and the existing rubber linings
- Have good chemical resistance

