

BELZONA PROVIDES POSITIVE GRIP TO DRIVE ROLLER

CUSTOMER

Fertilizer plant, Bulgaria

APPLICATION DATE

June, 2009

APPLICATION SITUATION

Conventional rubber cladding conveyor drive roller (diameter 800 mm and length 1400 mm) for transporting fertilizer production

PROBLEM

Pieces of rubber cladding were frequently torn away due to build up. In addition severe wear from excessive moisture, chemical attack and abrasive media was causing belt slippage.

PRODUCTS

Belzona® 1321 (Ceramic S-Metal)

Belzona® 9211 (Supergrip Aggregate)

SUBSTRATE

Carbon Steel

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-12. Belzona 9211 non-slip aggregate was embedded in chevron designed stripes coated with Belzona® 1321. For corrosion protection the rest non-protected areas were covered with Belzona® 3921.

BELZONA FACTS

The whole application was completed in one working day for a fraction of the cost of conventional rubber cladding. The durable positive grip system eliminated belt slippage and protected drive roller from abrasion and corrosion. Similar Belzona positive grip systems applied since 2006 are still in good condition, while the original rubber cladding system was lasting less than a year.

PICTURES

1. Drive roller with just removed old rubber cladding
2. Grit blasted drive roller
3. Belzona non-slip chevron designed surface being applied
4. Completed application and drive roller ready for service



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



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Q 09335
ISO 14001:2004
EMS 509612

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