



KNOW-HOW FOR INDUSTRY NEWSLETTER

Rumford Industrial Group, Inc.



December
Newsletter

**Need to Repair Your Damaged
Shafts In-Place?**

Belzona® Repairs Conveyor Drive Shaft In-Situ

A cement works drive shaft was badly worn due to incorrect tightening of the adjustable sleeve which leads to relative motion between the shaft and the sleeve. The in-place repair was necessary and is a regular application of Belzona products. **Belzona® 1311 (Ceramic R-Metal)** was injected, using pneumatic injection pistol, into former constructed to restore correct shaft diameter. The Belzona® repair was carried out without need to remove shaft from the plant saving many days work.

Product and application technique selection should be made based on the cause and nature of damage and the operating conditions of the equipment. Suitable formers should be fabricated from rigid materials and split longitudinally. They should be of a suitable length to centralize the repair onto undamaged sections of the shaft.

Belzona® 1311 (Ceramic R-Metal) was used in this repair since repairing and rebuilding damaged metal surfaces is one of the purposes of this product.

**Save Time, Reduce Spare Parts Needs,
and Keep Production Moving**

Belzona® 1311 (Ceramic R-Metal) is based on a ceramic steel reinforced polymer system, it has been acclaimed for many years as



General View of Elevator Lifting Clinker Into Silos



Damage to the Shaft



Former in place with injecting of the
Belzona® 1311 (Ceramic R-Metal)

providing quality solutions to a wide range of general engineering needs.

Belzona® 1311 (Ceramic R-Metal) will bond tenaciously to almost any surface including steel, aluminum, copper, brass, stainless steel, alumina and basalt.

Belzona® 1311 (Ceramic R-Metal) provides permanency in Service:

- Does not corrode
- Superb resistance to abrasion and erosion
- Outstanding resistance to a broad range of chemicals including inorganic acids, alkalis, hydrocarbons, mineral oils, oxidizing agents, vegetables and fats, alcohols, aqueous solutions and emulsions.

The application was carried out in accordance with Belzona® Know-How System Leaflet MPT-2

[Request Information or Technical Support by Clicking Here](#)



Accurate diameter restored to the shaft

[MPT Repairs Video \(Just Click to View\)](#)

Thank you for reading about our shaft repair and the Belzona® solution. Please call with any questions about this application or any other maintenance concerns. Wishing you a Merry Christmas.

Warm Wishes,

Jim Rumford
Belzona Distributor
(937) 435-4650

Call 800-336-2827 - Browse Our Website
<http://www.rumfordgroup.com> for more info.

800-336-2827

office@rumfordgroup.com

www.rumfordgroup.com