

BELZONA STANDARD PROTECTION OF SCREW CONVEYOR FOR SOAP PRODUCTION

ID: 1279

Industry: *General Industry*

Customer Location: *Soap and Detergent Producer, Bulgaria*

Application: *SHM-Solids Handling Machinery*

Application Date: *September, 2008*

Substrate: *Silumin (High strength Aluminum alloy with Silicon)*

Products: ** Belzona® 1111 (Super Metal) ,*

** Belzona® 1392 (Ceramic HT2) ,*

Problem

Erosion/corrosion causes pitting damage on screw conveyor surface accentuated by the high working temperatures (more than 60°C), high pressure injection and corrosive chemical process media.



Photograph Descriptions

- * Surface damages repaired with Belzona® 1111 ,
- * First coat of Belzona® 1392 (red) completed ,
- * Second coat of Belzona® 1392 (grey) completed ,
- * Inspection of screw after two months in working conditions ,

Application Situation

Silumin worms (screw conveyors) for soap production facility. These are used for extruding soap and referred to as a "plodder".

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SHM-14. Surface preparation was made in accordance with the Colgate-Palmolive procedure in Belzona approvals (Refurbishing and Coating Silumin Worms for Soap Plodders).

Belzona Facts

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

BELZONA
Repair • Protect • Improve

Two screw conveyors with OD 250 mm and 300 mm were protected with a third to be completed. Inspection review two months after application revealed only slight discolouring and loss of gloss. Belzona is routinely specified by this International soap producer for protection of these screws.

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

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

