

HOPPERS LINED WITH BELZONA FOR EXTENDED LIFE

ID: 1335

Industry: General Industry

Customer Location: Manufacturer of asphalt shingles,
Canada

Application: SHM-Solids Handling Machinery

Application Date: June 2006

Substrate: Mild Steel

Products: * Belzona® 1812 (Ceramic Carbide FP) ,
* Belzona® 2111 (D&A Hi-Build Elastomer) ,

Problem

Unloading of solids, composed of fine stone approximately 1/32" diameter, creating high abrasion on the inside surface of the hoppers.



Photograph Descriptions

- * Hopper grit blasted ,
- * Masking prior to application ,
- * Application of Belzona® 1812 ,
- * Hoppers lined with Belzona® 2111 ,

Application Situation

Hoppers that handle abrasive solid material in the production of asphalt shingles.

Application Method

Application was carried out using Know-How System Leaflet SHM-13. Belzona® 1812 applied to profile the hopper before overcoating with Belzona® 2111. Both mild steel hopper and Belzona® 1812 grit blasted before coating.

Belzona Facts

Hopper volume : 22.5 tons of material per hour 24 hours a day /7 days a week. Production shut down 40 days per year. Originally

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.

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the hopper had a life expectancy of 1 month. Other solutions lasted 7 months. With the Belzona solution equipment now operates for a period of 18 to 24 months maintenance free. They even carry 1 or 2 hoppers in stock. Client approved the Belzona® 1812 as an inventory product and is used in other applications.

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