

Belzona Slows Abrasion to a Crawl

ID: 6414

Industry: *General Industry*
Application: *SHM-Solids Handling Machinery*

Customer Location: *Middle Tennessee Manufacturer*
Application Date: *June 2016*

Substrate: *Mild Steel*
Products: ** Belzona 1812 ,*

Problem

Customer uses pneumatic conveying system to move sand throughout their large facility, this blast pot was being repaired constantly as pressurized air combined with the sand in system to abrade holes in the pot opposite port into which air was injected. New equipment was only lasting a few weeks before needing to be patched and after than needed constant repair.



Photograph Descriptions

- * 1) Blast pot with patch on top of patch, the previous solution ,
- * 2) Impact area inside pot prepped for application ,
- * 3) Application of Belzona 1812 in progress ,
- * 4) Application Complete ,

Application Situation

Blast pot used in the customers pneumatic conveyor system was being worn through.

Application Method

Application was carried out using a modified version of Belzona System Leaflet SHM-11. Application area was roughened using a grinder and grooved using a die grinder. Rebate grooves were cut in at the edge of the application area. Final cleaning was done using Belzona 9111. The edges were taped in order to keep the Belzona material within the prepared area. Belzona 1812 was then applied, taking care to push it well into the roughened area before building it up too thickly. Final thickness was approximately 1/4 inch.

Belzona Facts

The OEM equipment was not lasting for more than a few weeks in the environment the constant blowouts were creating unscheduled shut downs and lost productivity. The Belzona application has been in place for 6 months and is still performing well

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FS 695214
ISO 14001:2015
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with no blowouts. The customer is now also adding Belzona 1812 to their pipe bends where they had previously had to use customer made bends with a high wear resistant steel.

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