

Belzona Gives The Roller Traction

ID: 9492

Industry: *Not Specified*

Customer Location: *North Idaho*

Application: *SHM-Solids Handling Machinery*

Application Date: *August 2016*

Substrate: *Carbon steel*

Products: *Belzona 1321 (Ceramic S-Metal), Belzona 9221 (Surefoot Aggregate White)*

Problem

This smooth steel roller was having problems moving the lumber efficiently.



The roller with four sections taped off and hand ground, solvent washed and ready for application.



Applying a heavy layer of Belzona 1321 to the application zone before liberally sprinkling Belzona 9221 aggregate into it.



Belzona 9221 aggregate sprinkled into the Belzona 1321 to refusal and packed down.



Application complete.

Application Situation

This drive roller was smooth which made it hard to move lumber with it. The customer chose to apply four strips of Belzona 1321 embedded with Belzona 9221 aggregate for positive grip. This allowed the lumber mill to be able to slow down the drive motor and reduce the cost of operation.

Application Method

A 4" hand grinder was used to heavily roughen the surface where the application was going to be. The area was thoroughly washed with solvent, and the Belzona 1321 was applied in one heavy coat about 15-20 mils thick before having the Belzona 9221 aggregate sprinkled into it and gently packed down with a small board.

Belzona Facts

By solving the slipping problem, this lumber mill reduced its operating costs by being able to slow down the motor that turned this drive roller. The Belzona 9221 aggregate was chosen because of its finer particles which would not mar or damage the lumber that was being moved by the roller.

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FS 695214
ISO 14001:2015
EMS 695213

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