

VACUUM OVEN REPAIR WITH 900KG OF BELZONA 1593

ID: 7957

Industry: Chemical & Petrochemical
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Steel
Products: * Belzona 1593 ,
* Belzona 9111 (Cleaner Degreaser) ,

Customer Location: Bratislava, Slovakia
Application Date: 2017

Problem

The real problem was the lay off time. The designer of this oven suggested to use of a fairly cheap coating which would take 5 days to apply, without blasting and cleaning (470 m2).



Photograph Descriptions

- * 1. Coating of the steel prickles ,
- * 2. The first coat of Belzona 1593 being applied ,
- * 3. 2nd coat of Belzona 1593 applied ,

Application Situation

This petrochemical company uses a vacuum oven for a vacuum distillation column. This oven is a 16.3 m high steel cylinder with an 8.4 m diameter. There are 8000 steel prickles (diameter 6 mm, length 175 mm) inside which keep the oven insulated. If the steel prickles are broken (from corrosion) then the insulation is damaged and it doesn't protect the steel oven wall against chemicals (various acids) and high temperature (150°C).

Application Method

After blasting and cleaning, the oven was divided into 8 stages and there were 3 workers prepared for every stage. Together with assistant workers (mixing, transport and safety, among others) there were 30 people at once (in cooperation with the Czech Belzona team). The first coat of Belzona 1593 was applied at 375 microns. The steel prickles made the application complicated and as the customer wanted them coated also, it was not so easy. After 12 hours the second coat was applied at 375 microns. Complete coating was finished in 2 days. The application was performed in accordance with Belzona system leaflet TCC-5.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
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Belzona Facts

The customer was very satisfied with the job and the Belzona solution, the job was finished in 3 days and as a result saved the customer a huge amount of money.

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