

Vacuum Oven Repair with 900 kg 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. Application was carried out in accordance with Instructions for use.

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.

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

ISO 9001:2015
Q.09335
ISO 14001:2015
EMS 509612

Belzona products are
manufactured under an ISO
9001 Registered Quality
Management System.

www.belzona.com


BELZONA[®]
Repair • Protect • Improve