

Belzona 1151 cold plate bonding on a Blast Door

ID: 8494

Industry: Power
Application: ENC-Engines and Casings
Substrate: Carbon steel
Products: * Belzona 1151 (Smoothing metal) ,

Customer Location: Nuclear power plant
Application Date: May 4th 2021

Problem

24m steel blast door slightly of square causing fouling on roller system operation. Although the door is square across the length there is a slight twist in the steel at either end which needs to have a tolerance of zero mm



Photograph Descriptions

- * 1. Picture of blast door ,
- * 2. Picture of blast door ,
- * 3. Close up of plates ,
- * 4. Close up of plate application ,

Application Situation

Cold plate bonding on 24m 160 tonne blast door.

Application Method

Belzona 1151 was applied to substrate along with sacrificial shim plates to leave a flush steel finish for the roller system to be able to function correctly. The belzona was applied in various thicknesses from 1mm to 6mm to achieve a plum finish from top to bottom.

Belzona Facts

The only alternative to this repair would be to cut and reweld the door ends but that would not guarantee solving the problem.

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.

www.belzona.com


BELZONA®
Repair • Protect • Improve