

BELZONA 1151 COLD PLATE BONDING ON A BLAST DOOR

ID: 8494



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

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.

INDUSTRY

Power

LOCATION

Nuclear power plant

APPLICATION DATE

May 4th 2021

PRODUCTS

Belzona 1151 (Smoothing metal)

SUBSTRATE

Carbon steel

PHOTOS

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

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