

BELZONA PROTECTS BLAST FURNACE SCRUBBER

ID: 1203



PROBLEM

Blast Furnace gases and particulates had corroded the original venturi scrubber. Items were building up on the steel and the lower portions were eroding due to abrasion.

APPLICATION SITUATION

New blast furnace Scrubber being fabricated and in need of corrosion and erosion protection.

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5. Belzona® 5811 was sprayed over the entire vessel as a holding primer. On the intake of the vessel Belzona® 1341 was used for build up problems. Belzona® 1321 was used in the high erosion areas.

BELZONA FACTS

Due to Belzona® 1341 lasting in the piping going to the scrubber, the client asked for the Belzona® 1341 to coat the entire scrubber vessel. Belzona® 1321 used to give extra abrasion resistance where required.

INDUSTRY

General Industry

LOCATION

Steel Plant, Alabama

APPLICATION DATE

2005

PRODUCTS

Belzona 1321 (Ceramic S Metal) Belzona 1341 (Supermetalgilde) Belzona 5811 (Immersion Grade)

SUBSTRATE

steel

PHOTOS

1. Overview of the blast furnace and the scrubber
2. Beige Belzona 5811 applied and Belzona 1341 and darker blue Belzona 1321 being applied
3. Spark testing the Belzona 1341
4. View of the completed project

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