

BELZONA PROTECTS BLAST FURNACE SCRUBBER

ID: 1203

Industry:	General Industry	Customer Location:	Steel Plant, Alabama
Application:	TCC-Tanks and Chemical Containment Areas	Application Date:	2005
Substrate:	steel		
Products:	Belzona® 1321 (Ceramic S Metal)<div>Belzona® 1341 (Supermetalgilde)</div><div>Belzona® 5811 (Immersion Grade)</div>		

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.



Photograph Descriptions

* Overview of the blast furnace and the scrubber , * Beige Belzona® 5811 applied and Belzona® 1341 and darker blue Belzona® 1321 being applied , * Spark testing the Belzona® 1341 , * View of the completed project ,

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.

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

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