

# BELZONA REPAIRS LARGE SOOT BLOWING AIR COMPRESSOR

ID: 231

**Industry:** Power  
**Application:** GSS-Gaskets, Seals and Shims  
**Substrate:** Cast iron  
**Products:** \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 9411 (Release Agent) ,

**Customer Location:** Coal fired power plant in Texas, U.S.A.  
**Application Date:** October 1999

## Problem

Corrosion in water jacket area had reduced the gasket sealing surface and allowed water into the air stream.



## Photograph Descriptions

- \* Overall view of soot blowing air compressor ,
- \* Mold used to help form overlay for correct fit ,
- \* Finished sealing area, lighter color (top) shows Belzona® 1111 (Super Metal), darkest color is existing cast iron ,

## Application Situation

Repair to soot blowing air compressor operating at 12,500 cfm.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet GSS-7. This method included grit blasting the area to be built up. A mold was used to help form the correct fit and a disc sander was used to achieve the proper finish.

## Belzona Facts

Use of Belzona® 1111 (Super Metal) resulted in the equipment being placed back in service at a substantial cost saving as opposed to having the air compressor welded and machined down.

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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9000 Registered Quality  
Management System.

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