

COOLING TOWER FAN BLADES REPAIRED WITH BELZONA

ID: 7

Industry: *Chemical & Petrochemical*
Application: *HEX-Heat Exchangers*
Substrate: *Fiberglass Reinforced Polyester*
Products: ** Belzona® 1321 (Ceramic S-Metal) ,*

Customer Location: *Refinery in Louisiana*
Application Date: *1995*

Problem

Light damage and erosion on the leading edge of the blades reduces the overall efficiency and operation of the cooling system.



Photograph Descriptions

- * Surface preparation by grinding. ,
- * Taping off for a neat repair. ,
- * Finished repair. Leading edge protected with Belzona. ,

Application Situation

Fan blades of cooling tower - 14' long.

Application Method

The application was carried out in accordance with Belzona Know-How Leaflet HEX-10.

Belzona Facts

After 14 months, fiberglass blades on new units needed replacement at a cost of \$125,000. Over two years later the Belzona repair is in excellent condition. The plant has saved over \$200,000 in new blade replacement cost.

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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manufactured under an ISO
9000 Registered Quality
Management System.

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