

# 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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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