

WORN FAN BLADES RESTORED WITH BELZONA

CUSTOMER

Power station in Thailand

APPLICATION DATE

November 2001

APPLICATION SITUATION

GRP fan blades from cooling towers.

PROBLEM

UV degradation, erosion and impingement had caused damage to the surface coating on the blades potentially leading to more porous damage.

PRODUCTS

Belzona® 4151 (Magma-Quartz Resin)

Belzona® 1341 (Supermetalgilde)

Belzona® 5111 (Ceramic Cladding)

SUBSTRATE

Glass reinforced polyester (GRP)

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet FBC-1.

BELZONA FACTS

Belzona® 4151 was used to repair the damaged top coat on the blades. Belzona® 1341 was used to protect the leading edges and Belzona® 5111 was used to provide overall protection. The Belzona refurbishment has avoided the high cost of blade replacement and provided the plant with long term protection of the blades.

PICTURES

1. Application of Belzona® 4151 to the blades
2. Belzona® 1341 applied to leading edges
3. Belzona® 5111 applied by airless spray
4. Blades being returned for installation to cooling towers



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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