

# Blade Repair and Protection with Belzona 5711 and Belzona 5721

ID: 9828

Industry: Power

Customer Location: Yai Thieng Mountain, North East Thailand

Application: FBC-Fans, Blowers and Compressors

Application Date: April 2023

Substrate: Other

Products: Belzona 5711, Belzona 5721

## Problem

Pitting damage and coating deterioration because of rain erosion and UV attack at leading edge area.



Damage on the blade.



Surface preparation.



Application of Belzona 5721



Completed application

## Application Situation

Pitting damage and coating deterioration because of rain erosion and UV attack at leading edge area. The Customer usually plans to repair and coat one turbine at the leading edge of a wind turbine per year.

## Application Method

1. Sand the surface to be repaired using a coarse sander with 80-grit sandpaper, always using a new piece of sandpaper for each sanding operation.
2. Clean the surface with Belzona 9111 NF Cleaner, then allow it to dry completely.
3. Repair pitting with Belzona 5711.
4. Smooth Belzona 5711 using a coarse sander with 80-grit sandpaper.
5. Mix Belzona 5721 and apply it within 20 minutes using a high-quality brush. Apply at a wet film thickness of 500 microns and then allow it to fully cure for 5 hours at 30°C.

## Belzona Facts

This Distributorship has worked with the Customer for over 30 years to repair and has coated several pieces of equipment at their power plant so they trust Belzona products. Whenever a new product is released this is also introduced to the Customer and the feedback is always positive.

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.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve