

WIND TURBINE BLADES LEP PROTECTED WITH BELZONA 5721

ID: 9341



PROBLEM

A customer in Southwestern Ontario was looking to repair and refurbish some of their blades that were affected from severe erosion. The blades were not initially protected and were only put in service with the factory gel coat.

APPLICATION SITUATION

They decided to test Belzona 5721 coating as they were impressed with the features and performance of this product. Belzona 5721 has been tested against internationally recognized standards ASTM G73, ASTM G76 and ASTM G32 and exhibits excellent erosion and cavitation resistance.

APPLICATION METHOD

Before the application of Belzona 5721, the surface of the LEP was cleaned and sanded. Defects and areas that needed rebuild were repaired. Once a clean and even surface was achieved, Belzona 2911 (Elastomer QD Conditioner) was applied to condition the surface and allowed to become touch dry. Then, one coat of Belzona 5721 was applied to the thickness of 20 mils. The product was allowed to cure before putting the turbine back in service.

BELZONA FACTS

The product was inspected via drone after 7 months in service, and the product appeared to be intact with no signs of wear, chalking or peeling.

INDUSTRY

Power

LOCATION

Tiverton Ontario

APPLICATION DATE

June 2020

PRODUCTS

Belzona 2911 (Elastomer QD Conditioner)
Belzona 5721

SUBSTRATE

Composite

PHOTOS

1. Repairs and Sanding complete
2. Ready for degreaser and cleaner
3. Belzona 5721 application
4. Inspection after 7 months of back in service

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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