Know-How*in Action*

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BELZONA PROTECTS MIXER BLADES FROM ABRASION

CUSTOMER
Lawrence, KS, USA

APPLICATION DATE
September 2007

APPLICATION SITUATION
A scheduled outage for major plant repairs included the remediation of damaged mixer blades with Belzona elastomers.

PROBLEM
The mixer blades in this crystallization tank exhibited serious damage due to abrasion. This is a very important component in the Flue Gas Desulfurization system.

PRODUCTS
Belzona 2111 (D & A Hi-Build Elastomer)
Belzona 2131 (D & A Fluid Elastomer)

SUBSTRATE
Steel

APPLICATION METHOD
The Belzona trained contractor mechanically prepared each blade prior to rebuilding to the original contour with Belzona 2111. Then, the blade circumferences were further protected with multiple coats of Belzona 2131.

BELZONA FACTS
By choosing to repair the blades in-situ instead of replacement, tremendous financial savings were realized. This allowed the maintenance planners to have an additional budget to repair even more blades in an additive tank during the same scheduled outage.

PICTURES
1. View of the plant
2. Close-up view of the damaged mixer blades
3. Preparing the surface of the blades prior to application
4. Completed application

1.


2.


3.


4.


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

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