CASE STUDY

CHESTERTON® Global Solutions, Local Service. | ARC® INDUSTRIAL COATINGS

CHEMICAL INDUSTRY



ARC Industrial Coatings

Timely and Cost-Saving Repairs Made in Bag House Sealing Breaches

Product Solutions: Chesterton® ARC CFW-CR, ARC 858, and ARC CS2 Coatings

Challenge



A potential leak of chlorine-based dust in a bag house was detected less than one week into a two-week maintenance shutdown at a chemical plant. Conventional cut/weld repair required 10 days and involved scaffolding and hot work permits. Estimated costs for repair was $180,000.

Solution

The surface was power tool cleaned to SP 10 finish. ARC 858 Abrasion Control Compound was used as faring compound to smooth heavily pitted steel surfaces prior to applying carbon fiber layers.

Five layers of ARC CFW-CR were used to repair the breaches after the cleaning. Once the breaches were sealed and set, a protective top coat of ARC CS2 Coating was applied and cured to help ensure maximum chemical resistance.



Results

The plant was able to meet startup requirements with no lost time. There were no signs of leaks at startup and the customer saved over $150,000 in traditional repair costs.

$ = USD



The customer **saved over $150,000** in traditional repair costs.

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