

# Belzona Coating of New Chillers for Global HVAC Supplier

ID: 9324

Industry: Heating, Ventilation & Air Conditioning

Customer Location: Egypt

Application: HEX-Heat Exchangers

Application Date: 2023

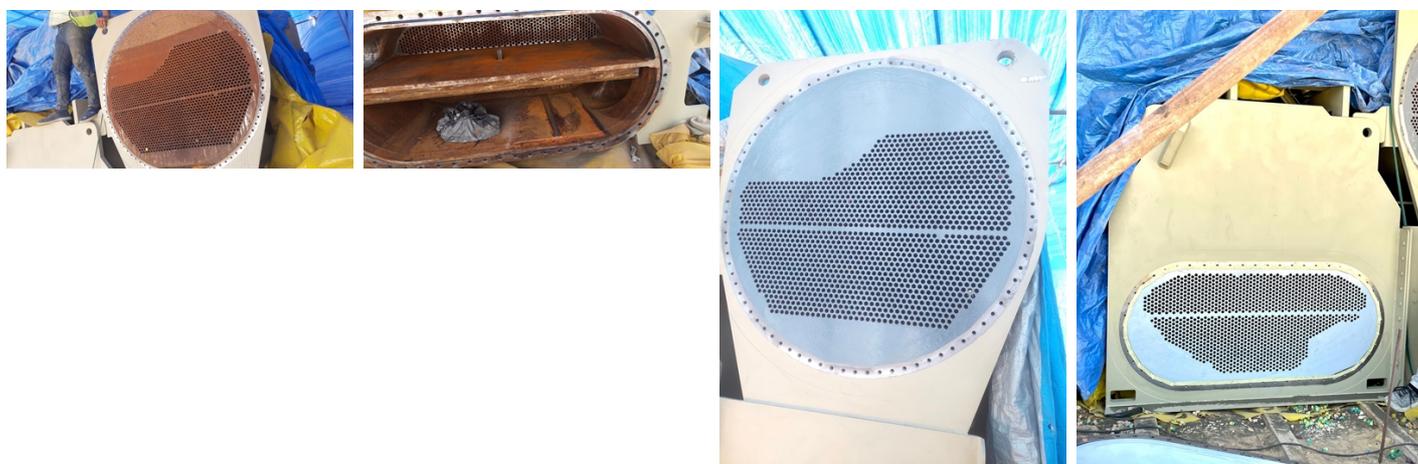
Substrate: Carbon steel

Products: Belzona 1321 (Ceramic S-Metal), Belzona 1341 (Supermetalgilde)

## Problem

Chillers are considered valuable assets which are worth millions of pounds. Often water treatment is not sufficient to prevent corrosion of the body of the chillers. Also, mishandling during shipping can cause defects which then represent starting points for corrosion due to salt entry. Thus, the chillers can become corroded even before being put into service.

The same problem happened to our client. Two new chillers have been shipped to them but arrived severely corroded which delayed the launching of the whole living complex.



Corroded chiller.

Corroded chiller.

Chiller after Belzona 1321 and Belzona 1341 applications.

Chiller after Belzona 1321 and Belzona 1341 applications.

## Application Situation

The client has chosen Belzona because of its outstanding corrosion-erosion resistance, which has been proven over the years around the world.

Our main selling point was the prolonged longevity Belzona coatings offer to such valuable assets. We also demonstrated that chemical cleaning of corrosion alone is not sufficient to solve such a problem as the corrosion continues to progress even after cleaning. A major benefit we stressed was the fact that the chillers could be put back into service less than 48 hours after the repair.

Tens of similar applications that were executed by our team in various major hotels and facilities around the country were shown to the client, which further built trust in this application.

For this specific application, Belzona 1341 and Belzona 1321 were recommended due to their excellent corrosion-erosion

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.

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resistance.

## Application Method

Application was completed as per the Belzona product's respective Instructions for Use.

## Belzona Facts

We depended mainly on demonstrating previous similar applications that our team performed in well-known hotels and facilities. We stress the importance of protecting such valuable assets using Belzona protective coatings by emphasizing the benefits that the client could gain from decreased downtime and increased lifetime.

Showcasing the before and after photos is one of the most beneficial and effective approaches as it helps to better demonstrate the effects of the coatings on the equipment and the benefits of using Belzona solutions. It is also recommended to have some sort of factual information about how much money can be saved, or the difference in lifetime of an asset that could result from such applications.

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