

# Weatherproofing Roof Ridge Cap

ID: 9248

Industry: Chemical & Petrochemical

Customer Location: Decatur, Alabama

Application: RPA-Roof Problem Areas

Application Date: October 2023

Substrate: Aluminum

Products: Belzona 3121 (MR7), Belzona 9111 (Cleaner Degreaser)

## Problem

In the pictures below you will see a fiberglass housing unit for power supply in a local chemical plant. These units each have an aluminum ridge cap on the roof that comes from the manufacturer siliconed to the fiberglass panel. During transportation they become loose due to the flexibility of the fiberglass and from just being in the weather constantly the silicone deteriorates causing a leaking hazard inside the unit. This can and has caused major power outages inside the plant.



Rectifier Housing

Aluminum ridge cap coated with Belzona 3121

Final application

## Application Situation

This application stemmed from a previous weatherproofing application we performed on rubber zipper boots. This caused a major power outage to over half of the plants power supply causing a 4 hour shutdown and costing roughly over \$3,000,000.00 in lost revenue.

Our application of Belzona 3121 and reinforcement cloth only took two hours to complete and caused the plant zero downtime.

## Application Method

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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



1st step: we removed any loose silicone then prepped the fiberglass and aluminum cap with a Metabo bristle blaster.

2nd step: we then cleaned the areas with Belzona degreaser and wiped clean. Taped off each side for a perfect straight line. Then applied our first coat of Belzona Belzona 3121.

3rd step: we wet out our Belzona reinforcement cloth using Belzona 3121 and applied it to the areas that we have prepped. Once all areas have the first coat and reinforcement cloth down and no wrinkles showing we move to the final step.

4th and final step: is to completely saturate the cloth with a second coat of Belzona 3121 making sure to coat thoroughly to properly cover the reinforcement cloth. Remove tape and Clean up!

## Belzona Facts

Cost saving compared to a replacement roof cap was around \$5000.00. The customer has used Belzona in many of the other areas in the plant and they believe in and trust Belzona.

---

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)

