

# BELZONA REBUILDS CONDUIT GAP

ID: 6325

**Industry:** General Industry  
**Application:** FPA-Floor Problem Areas  
**Substrate:** Concrete  
**Products:** \* Belzona 4154 (Bulkfill Resin) ,  
\* Belzona 4111 (Magma-Quartz) ,

**Customer Location:** Battery Manufacturing Plant, NC, USA  
**Application Date:** June 2016

## Problem

Conduit was buried in concrete. The concrete started failing.



## Photograph Descriptions

- \* 1. Empty conduit gap. ,
- \* 2. Taking up volume with Belzona 4154 with river rock followed by Belzona 4154 with sand on top. ,
- \* 3. After spreading the Belzona 4154 with sand. ,
- \* 4. Top coated with Belzona 4111. ,

## Application Situation

Conduit Gap

## Application Method

All the concrete was cleaned out and where it was not already rough, grinders were used to roughen the substrate. Belzona 4154 was mixed with clean river rock to bulkfill the conduit gap. Once the conduit gap was filled up, Belzona 4154 was mixed with sand and spread out. The bulkfill was top coated with Belzona 4111 for added strength and blend. The application was carried out in accordance with Belzona Know-How System Leaflet FPA-12.

## Belzona Facts

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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Repair • Protect • Improve

The customer saved money by repairing with Belzona because of the longevity of the repair. They had “repaired” it several times before, only to fail quickly. It took one day to do the work. Belzona was chosen for the strength of the product, adhesion to the substrate, and quick cure time. Concrete was brought up, but they decided to go with the best, and most cost effective choice of material to repair with.

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