

# BELZONA STATIC DISSIPATIVE SOLUTION APPLIED TO SILO

ID: 6017

**Industry:** Food & Drink  
**Application:** TCC-Tanks and Chemical Containment Areas

**Customer Location:** Bio-fuel Producer, Mannheim, Germany  
**Application Date:** November 2011 - February 2012

**Substrate:** Concrete and Steel  
**Products:** \* Belzona 4111 (Magma-Quartz),  
\* Belzona 4351 (Magma CR5),

## Problem

Some of the internal walls and steel cones needed repairing. In addition, a static dissipative coating was required to protect against static build up within the silo.



## Photograph Descriptions

- \* Earthing points left exposed in restored silo wall ,
- \* Section of silo coated in Belzona 4351 ,
- \* Silo cone repaired and left with earthing points ,
- \* Silo cone coated with Belzona 4351 ,

## Application Situation

Rape seed silo belonging to a bio-fuel producer. This dusty organic material presented a significant static hazard as a result of friction within the silo.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets TCC-3. Damaged concrete was repaired with Belzona 4111. Belzona 4351 was applied to walls and cone taking care to ensure Belzona 4351 was in direct contact with the earthing points provided.

## Belzona Facts

The Belzona Distributor was able to provide the overall package the client required. This included the appropriate static dissipative

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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coating specification and complete application which involved heating of the silo, scaffolding the project, alongside grit blasting all the surfaces.

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