

# Belzona Repairs and Protects Chimney Masonry

ID: 7802

**Industry:** Power  
**Application:** WPA-Wall Problem Areas  
**Substrate:** Brickwork  
**Products:** \* Belzona 4111 (Magma-Quartz) ,  
\* Belzona 4141 (Magma-Built) ,  
\* Belzona 4151 (Magma-Quartz Resin) ,  
\* Belzona 4341 (Magma CR4) ,  
\* Belzona 4911 (Magma TX Conditioner) ,

**Customer Location:** Czech Republic  
**Application Date:** May 2015

## Problem

The top of the stack had deteriorated due to flue gas and water ingress, causing the mortar to break down and bricks to become loose.



## Photograph Descriptions

- \* The deteriorated stack. ,
- \* Work underway. ,
- \* The sheet metal formers with finished Belzona 4111. ,
- \* The finished job with Belzona 4341 coating. ,

## Application Situation

Flue gas chimney stack.

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet WPA-4. The top profile was reformed with new brickwork and Belzona 4111 using preformed sheet metal formers around the outer and inner circumference as guides. The deteriorated mortar was then repaired using Belzona 4141 due to its lightweight properties allowing repair on vertical surfaces. The whole area was then coated with Belzona 4341 to give long term protection against flue gases.

## Belzona Facts

The customer chose Belzona because the epoxy-based products provided solutions to both the repair and protection problems for

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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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**BELZONA**  
Repair • Protect • Improve

the long-term with minimal downtime.

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