

# GRAND STAIRCASE OF A FUTURE HOME OF A HISTORIC MUSEUM RESTORED WITH BELZONA

ID: 7694

Industry: Buildings & Structures

Customer Location: Kansas, USA

Application: FPA-Floor Problem Areas

Application Date: 2017

Substrate: Cast iron

Products: \* Belzona 1211 (E-Metal) ,  
\* Belzona 5231 (SG Laminate) ,  
\* Belzona 5233 (In color) ,

## Problem

The original build grand staircase made from pre-1920 cast-iron had severe rust and multiple failures. It was a tremendous eyesore and in some areas impassible.



## Photograph Descriptions

- \* 1. General view of the staircase showing damage. ,
- \* 2. Stair nosings rebuilt with Belzona 1211 and steel rods. ,
- \* 3. Two coats of Belzona 5231 loaded with Surefoot Aggregate on walking treads applied. ,
- \* 4. Belzona 5233 applied as a top coat for UV-stability. ,

## Application Situation

Pre 1920 cast-iron grand staircase.

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet FPA-5. Since the application was taking place on a very busy street with heavy foot traffic, a containment area was built to contain the dust from blasting. The substrate was blasted off to bare metal. Once the media blasting was completed, 1/2" iron rods were installed to repair the step noses and cold bond metal plates where the original staircase had corroded away. Then, the entire staircase was coated with Belzona 5231. The second coat was loaded with an anti-slip surefoot aggregate and applied to all walking surfaces. Once Belzona 5231 cured, a topcoat with Belzona 5233 was applied.

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

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