

# Damaged Stair Nosing at Distribution Center

ID: 8153

Industry: Commercial Facilities  
Application: FPA-Floor Problem Areas  
Substrate: Concrete  
Products: \* Belzona 4141 ,  
\* Belzona 5233 ,  
\* Belzona 5231 ,

Customer Location: Dallas, Texas  
Application Date: 12/12/2019

## Problem

Years of salting the nosings lead to the concrete cracking. The cracks let water in and caused expansion in the concrete and the rebar starting to corrode leading to the steps falling apart. The area is a critical path for the drivers to come in, and causing a safety issue.



## Photograph Descriptions

- \* 1. Removal of old cracked concrete ,
- \* 2. Application of 4141 ,
- \* 3. Application of 5231 ,
- \* 4. Application of 5233 ,

## Application Situation

Customer had stair nosings that were detreating from freeze thaw cycle, causing the rebar to corrode underneath.

## Application Method

Substrate was jackhammered to remove all the loose concrete. Once the loose concrete was removed, any exposed rebar was cut out and the area was conditioned with Belzona 4911, in preparation for Belzona 4141. After Belzona 4141 was applied and allowed to cure. then first coat of 5231 was applied. After application, a colour quartz was applied to provide a non-slip surface. Next day top coat of 5233 tinted grey 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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manufactured under an ISO  
9000 Registered Quality  
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## Belzona Facts

Customer was going to remove the entire stairs and rebuild. The cost to rebuild and the down-time would have been high, and the rebuild would have occupied the stairs during the holiday season when it is used the most by the drivers. Customer chose Belzona because of the low down time and how long the application will last.

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