

# BELZONA FREEZES EXPANSION JOINT DAMAGE

ID: 296

**Industry:** General Industry  
**Application:** FPA-Floor Problem Areas  
**Substrate:** Concrete  
**Products:** \* Belzona® 4131 (Magma Screed) ,  
\* Belzona® 2211 (MP Hi-Build) ,

**Customer Location:** Food supplier in North Carolina, U.S.A.  
**Application Date:** 1990

## Problem

The expansion joint on the floor leading into the freezer was completely destroyed by continuous fork lift traffic as well as the freeze/thaw cycles at the frost line.



## Photograph Descriptions

- \* Significant damage to expansion joint at freezer entrance ,
- \* Deteriorated concrete removed exposing rebar ,
- \* Screeding in Belzona® 4131 (Magma Screed) ,
- \* Belzona® 2211 used to seal the joint ,

## Application Situation

Expansion joint on the floor leading into the freezer.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets FPA-5 and FPA-6.

## Belzona Facts

Freeze/thaw effects are very damaging to concrete and the repair material used must be able to cure in cold temperatures and still maintain significant adhesion to the existing substrate.

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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