

# Smooth Ride Expansion Joint

ID: 9469

Industry: Buildings & Structures  
Application: FPA-Floor Problem Areas  
Substrate: Concrete  
Products: Belzona 2221 (MP Fluid Elastomer), Belzona 2911 (Elastomer QD Conditioner), Belzona 4131 (Magma-Screed), Belzona 4411 (Granogrip), Belzona 4911 (Magma TX Conditioner)

Customer Location: Kansas City  
Application Date: March 2024

### Problem

The aluminum cover plate creates an uncomfortable jolt to patients being transported in beds and wheelchairs, as well as a trip hazard for pedestrians.



Area Veteran's hospital



Aluminum cover plate causing bump and trip hazard



Plate removed and condition of underlying joint



Completely re-engineered and rebuilt smooth ride joint

### Application Situation

The entire remediation was accomplished in one day, with the area returned to full traffic the following morning. The staff were so pleased that their patients would not have to endure this constant irritant anymore, that they immediately started identifying other areas needing the same attention.

### Application Method

Diamond grinders and HEPA vacuums were utilized during surface preparation. The Belzona 4131 was hand troweled to ensure the transition was "smooth" and level and top coated with Belzona 4411. The joint was sealed with Belzona 2221.

### Belzona Facts

The renovation was accomplished by isolating the affected joint with sheet plastic and rerouting patient and staff traffic around the work area for the afternoon. As the Belzona is low odor, no other disruption was experienced in this busy treatment area of the hospital. Belzona has remediated approximately 20 expansion joints at this hospital alone in the last few years.

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

