

# Much Debris Found Under Metal Plate Outside of OR in Local Hospital

ID: 8947

**Industry:** Other  
**Application:** FPA-Floor Problem Areas  
**Substrate:** Concrete  
**Products:** Belzona 2211 (MP Hi-Build Elastomer), Belzona 2911 (Elastomer QD Conditioner), Belzona 4111 (Magma-Quartz), Belzona 4411 (Granogrip), Belzona 4911 (Magma TX Conditioner)

**Customer Location:** Piedmont, NC, USA  
**Application Date:** February 2023

## Problem

The metal plate covering the expansion joint outside an operating room in a sterile area was trip hazard because the plate was lifting up and separating from the floor. Several employees had tripped and surgical carts toppled from the plate.



Removal of plate reveals extensive amount of debris in a sterile area at doorway to operating room.

After the plate was removed, the joint was cleaned out and Belzona 4111 was applied to build out the joint nosings.

Once Belzona 4111 cured, a thick coating of Belzona 4411 was applied. It was chosen for its fast cure and durability.

Last step was to condition the joint area with Belzona 2911 and tape off / fill with Belzona 2211 Elastomer.

## Application Situation

We conduct this work on the weekends when the hospitals are slower. Typically we arrive on a Friday to do most of the work and come back Saturday morning after the Belzona 4411 has time to cure. These joints are considered quite costly however, the main benefit is smooth joints, no trip hazards and also sanitary joints with no debris and bacteria.

## Application Method

Manual tools were used to remove the plate and the grinder for joint nosing preparation work. The Belzona 4111 application was done with trowel after the area was taped off. Belzona 4411 was applied with a stiff bristle brush after the Belzona 4111 had cured sufficiently. Next morning the joint space was grinded a little to allow for adhesion of the Belzona 2211 which was applied using a Belzona applicator. The area was returned to service in under 24 hours.

## Belzona Facts

These are not the cheapest expansion joints on the market; actually very expensive but they are long lasting, safe, sanitary, and joint of choice in many application types .

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FS 695214  
ISO 14001:2015  
EMS 695213

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