

# X-Ray Room Floor Repaired with BELZONA

ID: 9527

Industry: Buildings & Structures  
Application: FPA-Floor Problem Areas  
Substrate: Concrete  
Products: Belzona 4131 (Magma-Screed), Belzona 5231 (SG Laminate), Belzona 5811 (Immersion Grade)

Customer Location: North Kansas City, MO  
Application Date: May 2024

## Problem

Lack of structural integrity was the culprit for uneven, sagging floors in a local hospital resulting in failures in medical imaging equipment.



X-ray machine's weight is visibly not supported properly causing bowing of the floor underneath



Flooring was removed to reveal uneven substrate



Steel plate cold bonded to concrete



Transitions formed from steel plate to laminate with wall cove base reinstalled

## Application Situation

The solution required reinforcement of the concrete subfloor while maintaining a glass like smoothness in the transition to maintain patient safety, ease of use and chiefly, the accuracy of the medical equipment.

## Application Method

Upon preparation of the substrate one continuous steel plate was cold boned in place using Belzona composite. Belzona 4131 composite was troweled to transition the perimeter of the steel plate then over coated with Belzona 5231 safety flooring.

## Belzona Facts

Environmental safety was a key factor for this application. The solution provided very little downtime. The floor defect will no longer present an issue. This solution is designed to last for the entire lifespan of the customer's valuable medical equipment.

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FS 695214  
ISO 14001:2015  
EMS 695213

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