

BELZONA REPLACES MECHANICAL MOVEMENT JOINTS

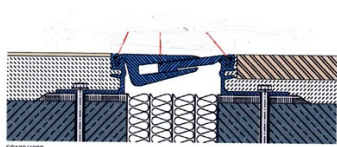
ID: 4679

Industry: Buildings & Structures
Application: FPA-Floor Problem Areas
Substrate: Concrete
Products: * Belzona 2221 (MP Fluid Elastomer) ,

Customer Location: Hospital, Newcastle Upon Tyne, UK
Application Date: September, 2013

Problem

The new building was built approx. 3 years ago and mechanical movement joints were installed throughout the building. Over the 3 year period there has been a lot of movement within the building resulting in the gap on the joints increasing to the extent that they are now failing and allowing cleaning detergents to by-pass the sealing "O" Rings on the joints and to leak into the rooms below, some of which are operating theatres.



Photograph Descriptions

- * Diagram of the original mechanical joint ,
- * Sliding components of expansion joint removed ,
- * Aluminium spacer bar being fitted in centre of the joint ,
- * Finished expansion joint ,

Application Situation

Mechanical movement joints in floor of Hospital

Application Method

Application was carried out in accordance with Belzona System leaflet FPA-6. The existing sliding components of the joint were removed from the fixed shoulder of the joint. These were prepared using the MBX Bristle Blaster. The 2 edges of an aluminium spacer bar (19mm W x 38mm H) were also prepared. After centering the spacer bar the Belzona 2221 system was applied to either

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side of the spacer bar to create a sealed expansion joint.

Belzona Facts

The original joint manufacturer were unable to resolve the problem so the principle contractor approached Belzona and came up with this simple solution to the leaking joints, saving the contractor large financial penalties.

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