FORKLIFT DAMAGE FROM EXPANSION JOINT SOLVED BY BELZONA 2211

ID: 9825

PROBLEM
Expansion joints were widening beyond control and causing unnecessary damage to the hundreds of forklift truck wheels and damaging suspension in the large distribution centre

APPLICATION SITUATION
Traditionally, polysulphide materials are used to infill expansion joints, but also, traditionally, polysulphide just doesn't last. An application of Belzona 2211 Hi build Elastomer was offered to infill one of the joints as a trial solution.
The joint has now been in place almost half of the year and is showing no sign of wear or deterioration, protecting the stackers and reducing damage to the machinery

APPLICATION METHOD
All the loose and broken material from the joint was removed. Surface preparation was then performed and area conditioned. Belzona 2211(MP Hi-Build Elastomer) was installed in the expansion joint to create a flexible joint.

BELZONA FACTS
The application has proven the Belzona method and is now being considered for use in over 10km of internal joints

INDUSTRY
Commercial Facilities

LOCATION
Doncaster

APPLICATION DATE
March 2025

PRODUCTS
Belzona 2211 (MP Hi-Build Elastomer)

SUBSTRATE
Concrete

PHOTOS

1. Expansion joints had separated over three decades, causing damage to forklifts operating in the area
2. The area is suitably prepared and Belzona 2211 is then used to fill the area
3. Application is completed and surface area is reprofiled
4. Solution is completed, sealing joint and has shown no sign of wear or deterioration protecting forklifts from damage