

# BELZONA REPAIRS DAMAGED CONCRETE IN PRIMARY SCHOOL PLAYGROUND

ID: 3032

Industry: *Buildings & Structures*  
Application: *FPA-Floor Problem Areas*  
Substrate: *Concrete / Cement*  
Products: *\* Belzona® 4131 (Magma Screed) ,*

Customer Location: *Derbyshire UK*  
Application Date: *December 2009*

## Problem

*Some loose and damaged tiles had been removed in the playground bordering a class room. This had left concrete exposed and the area looking unsightly and representing a potential slip/trip issue for young children.*



## Photograph Descriptions

- \* The school play/activity area ,
- \* The damaged area to be repaired ,
- \* Belzona® 4131 repair in progress ,
- \* Completed application ,

## Application Situation

An area of damaged and exposed concrete within a Primary School external play area.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet FPA-1

## Belzona Facts

School required a quick and permanent solution to the issue. Traditional concrete/cement solutions were not appropriate as the bond strength would not be sufficient and it would be likely to shrink and crack creating additional problems. Hot work was out of the question and any products that would leave oily residue that could contaminate the children and their clothes were also not acceptable. Belzona® 4131 was chosen for its high bond strength, quick cure, high abrasion and impact resistance. Its ability to be

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ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
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feather edged ensured it was flush with adjacent areas to the repair. The work was completed in one day and to the complete satisfaction of the school who asked us to return to repair a similar problem in another area of the playground.

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