BELZONA RENEWS 40 METRE VERTICAL EXPANSION JOINT

Industry: *Buildings & Structures*
Application: *WPA-Wall Problem Areas*
Substrate: *Concrete*
Products: ** Belzona 4141 (Magma-Build). ,*
* Belzona 2211 (MP Hi-Build elastomer). ,
* Belzona 3111 (Flexible Membrane). ,

Customer Location: *Industrial unit, Malta*
Application Date: *August 2014.*

Problem
The existing joint material had failed resulting in a route for water ingress inside the building. Some of the offices could not be used because of this leak.

Photograph Descriptions

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<tr>
<td style="padding-top: 0cm; padding-right: 9.0pt; padding-bottom: 0cm; padding-left: 9.0pt;" align="left" valign="top">
<p class="MsoNormalCxSpFirst" style="background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">1. Existing joint material removed and cleaned. ,
<p class="MsoNormalCxSpMiddle" style="background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">2.   Masking and conditioned. ,
<p class="MsoNormalCxSpMiddle" style="background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">3.   Application of Belzona 2211 Elastomer. ,
<p class="MsoNormalCxSpMiddle" style="background-image: initial; background-position: initial; background-size: initial;

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background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;"><span
style="font-size: 11.5pt; line-height: 107%; font-family: "Helvetica",sans-serif; mso-fareast-font-family: "Times
New Roman";">4.   Completed application. ,
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Application Situation

Failed expansion joint at industrial building

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet WPA-3 and WPA-9. The existing joint material was removed and the edges were rebuilt with Belzona 4141. Belzona 2211 was applied to seal the joint. To further seal and encapsulate the joint, bridging tape was applied over the expansion joint prior to the application of the Belzona 3111 system.This also provided an aesthetically pleasing finish.

Belzona Facts

Belzona 4141 provides a durable joint nosing, whilst Belzona 2211 provides a highly elastic long-term waterproof seal in the joint. The Client ordered two more expansion joint repairs after this one.

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