

BELZONA REPAIRS PARKING DECK EXPANSION JOINTS

ID: 1197

Industry: Buildings & Structures

Customer Location: International Airport, Alabama USA

Application: FPA-Floor Problem Areas

Application Date: 2000

Substrate: Concrete

Products: <div>Belzona® 4111 (Magma Quartz)</div><div>Belzona® 4911 (Magma TX Conditioner)</div>

Problem

Sealant was failing and the concrete was deteriorated on each side of the joint on various levels of the parking deck. Fabricated expansion joints to be installed due to extreme movement.



Photograph Descriptions

* View of expansion joint from the floor below , * Spalled concrete due to water penetration and corrosion of rebar , * Forming the Belzona® 4111 using a 2" x 4" batten , * Repair after the expansion joint was installed ,

Application Situation

Expansion joints in car park decks

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet FPA-5. Joint nosings were rebuilt with Belzona® 4111 prior to bonding prefabricated expansion joints in with Belzona® 4911.

Belzona Facts

Belzona® 4111 was used to repair the concrete due to the quick cure times. Belzona was also used due to superior adhesion in bonding the fabricated expansion joint. Repair has been excellent since 2000.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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