

# STEEL PLATE BONDING WITH BELZONA 1511 FOR BRIDGE

ID: 6119

Industry: Buildings & Structures

Application: FPA-Floor Problem Areas

Substrate: Steel

Products: \* Belzona 1511 (Super HT-Metal) ,

Customer Location: Rama IX Bridge, Bangkok, Thailand

Application Date: 17 November 2015

## Problem

Steel deck was cracked which was not able to weld as the bridge moves all the time and hot welding can cause distortion of steel deck and further damage.



## Photograph Descriptions

- \* 1. Belzona 1511 was applied on the repair area and on the prepared area of steel plate. ,
- \* 2 and 3 Place the steel plate on the repair area. ,

## Application Situation

Steel deck of Rama IX Bridge was cracked.

## Application Method

Drill a hole on the steel plate and tap in the screw to tighten the hook screw. The repair area was prepared with grit blasting and remove oil, grease, and contamination with MEK. And then, mix Belzona 1511 and apply it on the repair area and on the prepared area of steel plate, place plate on the repair area and leave cure. After that cut the hook screw and fill the asphalt to achieve the existing level.

## Belzona Facts

Belzona cold bonding was tested and used to avoid hot welding to crack or corroded steel deck.

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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