

Kingspan Joint sealing

ID: 9476

Industry: Food & Drink
Application: RPA-Roof Problem Areas
Substrate: Carbon steel
Products: Belzona 2211 (MP Hi-Build Elastomer), Belzona 2911 (Elastomer QD Conditioner), Belzona 9111 (Cleaner Degreaser)

Customer Location: Thorne
Application Date: May 2024

Problem

Condensation from local chillers were forming puddles and a build up of standing water over the Kingspan roof sheets of a large chiller room. The water would stand, then penetrate the joints, leaking into the chiller itself, where moving aerial conveyor hooks transported the food product below. The joints needed to be sealed so a trial was sought



Setting out the works



Finishing off the application



Removing masking



Masking removed showing the completed works

Application Situation

The Belzona 2211 was offered as a flexible, high build solution to eradicate the issue of standing water getting onto processed raw meat. The application was also an ideal vehicle for the Senior Sales Engineer to offer full training for the application of the product, which the company have now started to roll out

Application Method

Access was gained to the roof space above the chiller

The target area was prepared by grinding in a cross hatch pattern to gain best effort preparation to the steel kingspan sheets

The area was degreased and cleaned using Belzona 9111

Masking tape was used to gain clean lines on the finished application

A thin coat of 2911 was applied and allowed to cure to touch dry.

Belzona 2211 was mixed and the Kingspan joint was wetted out, as was the Belzona 9431 reinforcing sheet which was applied over the wetted out Kingspan

Belzona 2211 was applied using a Belzona applicator to complete the works

The masking was removed immediately

Belzona Facts

Other alternatives had been tried in the past, such as mastics and silicone sealants. These all failed within a few days or weeks. The engineers on site needed a more robust solution that they could apply using their own team.

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FS 695214
ISO 14001:2015
EMS 695213

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