

# BELZONA OVERCOMES ROOF DESIGN FLAW

ID: 723

**Industry:** Buildings & Structures  
**Application:** RPA-Roof Problem Areas  
**Substrate:** Darby gum roofing sheets and metal flashing.  
**Products:** \* Belzona® 3111 (Flexible Membrane) ,

**Customer Location:** River Dam Authority, Vinita, OK  
**Application Date:** August, 2005

## Problem

A small collection trough around the 660' perimeter of the roof had mistakenly been "engineered" into the original installation. Water collected and eventually drained under the roof sheets toward the center of the building until it found a leak path onto the ceiling.



## Photograph Descriptions

- \* The poor roof design allowing water to collect and enter ,
- \* Conditioning of metal trim and roof sheet ,
- \* Belzona® 3111 being applied through the Reinforcing Sheet ,
- \* Completed application with entire building perimeter sealed with Belzona Membrane System ,

## Application Situation

Leaks entering into various rooms, including the Board Room, at this HQ building from various points around the roof.

## Application Method

Application carried out according to Belzona Know-How System Leaflet RPA-1. After surface preparation a fully reinforced Belzona® 3111 system was applied so that it overlapped onto the metal perimeter trim and the main roof covering.

## Belzona Facts

The application quickly sealed this water penetration point effectively bonding to the different substrate materials. Cost of materials under \$1K, Immediate response and supervision from the Belzona Consultant ensured the work was completed in less than one day by the clients own staff.

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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