

# BELZONA 1212 SEALS LEAKING COPPER GUTTERS AT UNIVERSITY

ID: 7539

Industry: Buildings & Structures  
Application: RPA-Roof Problem Areas  
Substrate: Copper  
Products: \* Belzona 1212 ,

Customer Location: College, Cambridge, England  
Application Date: August 2017

## Problem

*The 56 joints in the copper gutters had been constantly leaking for almost 40 years causing unsightly staining on the building structure underneath the joints.*



## Photograph Descriptions

- \* 1.The College Building showing copper gutter and stains on stonework ,
- \* 2.Typical leaking gutter joint ,
- \* 3.Gutter joint cleaned and sealed inside with new copper plate bonded on with Belzona 1212 ,
- \* 4.Flexible system being installed over every 4th joint bonded on with Belzona 1212 ,

## Application Situation

130mm wide x 100mm deep Copper gutters installed around a College building over 40 years ago

## Application Method

Application was carried out in accordance with a modified version of Belzona System Leaflet TCC-1. All loose material in the 56 joint areas was removed to create a really clean and bright copper surface. New 200mm copper strips were cold bonded across the joints using Belzona 1212 to permanently seal the joints. Over every 4th joint a flexible system (supplied by the customer) was bonded using Belzona 1212 in the same way.

## Belzona Facts

Over the past 40 years the College had sealed these leaking gutter joints many times using various sealants and other methods, none of which lasted for long. The College was so pleased with previous Belzona applications on this site, they approached Belzona for a permanent solution to their leaking gutter problem. The customer was very pleased with the result and has since specified other Belzona products for more projects around the College.

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FS 695214  
ISO 14001:2015  
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