

# UNDETECTABLE MOISTURE BARRIER FOR MUSEUM PROVIDED WITH BELZONA

ID: 6035

Industry:  
 Application: WPA-Wall Problem Areas  
 Substrate: Masonry and Brickwork  
 Products: \* Belzona 5122 (Clear Cladding) ,

Customer Location: Historic Museum, Teesside, UK  
 Application Date: 2010

## Problem

On the external walls of the East Lodge building, it was found that moisture ingress from driving rain quickly destroyed the newly refurbished rooms, wasting a large portion of the budget. A cost effective weather proofing solution that would not affect the appearance of the buildings was required.



## Photograph Descriptions

- \* Museum situated within Historic Estate ,
- \* Damage to paint and plasterwork in classroom ,
- \* Original application completed in 2010 ,
- \* East Lodge revisited in 2016 ,

## Application Situation

The museum, a Grade 2 listed site, is financed by the local Borough Council, who wanted to convert some of the buildings into educational workshops for visitors.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet WPA-8.

## Belzona Facts

Belzona 5122 offers an invisible water repellent barrier that allows the surfaces to breathe and improves the thermal performance

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 FS 695214  
 ISO 14001:2015  
 EMS 695213

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of saturated walls by up to 40%. Approximately 270 square meters of the external walls were quickly treated with a simple application that minimised disruption to the museum visitors. The surface was immediately weatherproof and undetectable to the naked eye. The client was delighted with the results and the refurbishment to the rooms within could resume without further risk. The protection of the building was reassessed 6 years later and found to still be working perfectly.

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