

## ELITE Airtight

## Case Study

St. George's Primary School - Kidderminster

Pristine Coatings



### Built to Passivhaus standards

St. George's Primary School in Kidderminster is one of a group of schools in Wolverhampton which are being constructed to Passivhaus standards.

Elite Airtight was chosen for application in various parts of the school, due to its quick drying time and spray application. Elite Airtight is touch dry within a few hours and is ready for dry lining or other surface work the next day, this is an important factor on construction sites where bad weather causes delays to the construction programme. Some of the areas where Elite Airtight was applied included walls that already had a wooden framework attached to them, making it almost impossible for other airtightness products/processes to be applied.

As an airtightness product the contractors applying the coating were fully aware of the importance of following the recommended application procedure and were keen to assist with the airtightness objectives set out by the architect.

[www.airtightpaint.co.uk](http://www.airtightpaint.co.uk)



St. Georges Primary  
School  
Kidderminster

Environment &  
Sustainability Institute  
Cornwall

Hamilton International  
Offices Glasgow

## Elite Airtight - Case Studies

Airtight Coating for Interior Block Walls

Technical Data - COSHH -  
Specification information  
available at  
[www.pristinecoatings.co.uk](http://www.pristinecoatings.co.uk)

Client - Worcestershire County Council  
Architect - Howl Associates  
Main Contractor - Thomas Vale Construction

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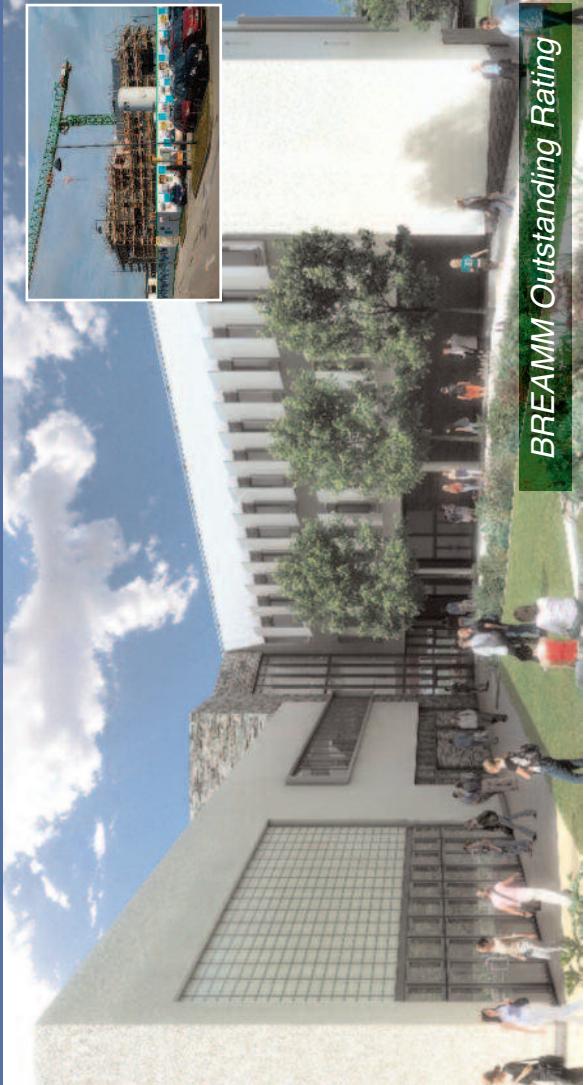
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Environment & Sustainability Institute - Cornwall



The University of Exeter's Environment and Sustainability Institute (ESI) is a £13 million interdisciplinary centre leading cutting-edge research into solutions to problems of environmental change.

Our coating was chosen as the best option for achieving airtightness of the block walls throughout the building. Approximately half of the walls were going to be hidden by dry lining and other coverings, whilst the other half were in open public areas where the finished walls would be left on display.

Elite Airtight SuperCoat can be left exposed as a top coat which offers a bright white, wipeable, hard wearing finish, whilst Elite Airtight SuperParge is ideal for areas that are going to be dry lined or in areas away from public access.

The walls were coated quickly and efficiently using airless spray equipment and backrolling. The block walls will no longer be a concern when it comes to the airtightness testing of the building.

Specify Elite Airtight SuperParge for a fast application, cost effective, thin coat parge - improving the airtightness of all interior block walls

Client - Tremough Dev. Vehicle Ltd  
Client - University of Exeter  
Architect - BDP  
Main Contractor - Leadbitter

Hamilton International Offices - Glasgow



The University of Exeter's Environment and Sustainability Institute (ESI) is a £13 million interdisciplinary centre leading cutting-edge research into solutions to problems of environmental change.

Craig Crombie of Mosaic Architecture comments: "We chose Elite Airtight to help achieve the required airtightness in the Hamilton International Offices, we decided that the interior surface of the block walls would be the preferred surface to achieve an air barrier and whilst we could have chosen a parge coat to achieve the airtightness, we realised that Elite Airtight had advantages over parging which included, less mess, less material, better finish, quicker application and similar cost. We have been happy with the product and the contractors applying the Elite Airtight - PFP Ltd - have also expressed their satisfaction with the application of the coating and the final finish."

Another additional benefit to placing the air barrier on the inside walls is that it reduces the amount of warm air (in the winter) or cool air (in the summer) dissipating into and through the walls, thereby allowing the HVAC to reach optimum temperatures quicker and more efficiently.

Specify Elite Airtight SuperCoat for a fast application, cost effective, hard wearing, washable coating - improving the airtightness of all interior block walls

Client - HIF Developments  
Architect - Mosaic Architecture  
Project Manager - Balfour Beatty  
Project Manager - Adams Consulting Group