

**ELITE** Airtight

## Case Study

St. George's Primary School - Kidderminster



*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.

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**

# Pristine

Coatings



Hamilton International  
Offices Glasgow



Environment &  
Sustainability Institute  
Cornwall



St. Georges Primary  
School  
Kidderminster

## *Elite Airtight - Case Studies*

Airtight Coating for Interior Block Walls

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

Tel: 01492 544777 Fax: 01492 544094

[www.pristinecoatings.co.uk](http://www.pristinecoatings.co.uk) [info@pristinecoatings.co.uk](mailto:info@pristinecoatings.co.uk)

Phoenix Workshops, Station Road, Mochdre, Colwyn Bay LL28 5EF

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Environment & Sustainability Institute - Cornwall

Hamilton International Offices - Glasgow



**BREAMM Outstanding Rating**

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**



**First sustainable carbon neutral building in the UK**

Elite Airtight was specified by Mosaic Architecture for use on the Hamilton International Offices.

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 - **HF Developments**  
Architect - **Mosaic Architecture**  
Project Manager - **Balfour Beatty**  
Project Manager - **Adams Consulting Group**