

ST LAWRENCE PRIMARY SCHOOL

PROJECT: St Lawrence Primary School, Hassocks

CLIENT: Richard Soan Roofing Services

SCOPE OF PROJECT: Seven-classroom school extension

PRODUCTS: Em-Glaze access hatches, Em-Glaze modular linked flat glass rooflights,, Em-Domes and access hatches



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Village school expansion benefits from expert technical support

THE CHALLENGE

St Lawrence CE Primary School is a small 'family'-feel, church school based in the beautiful village of Hustpierpoint in East Sussex. In 2012, 200 new homes were scheduled to be built in the local area, and the demand for school places meant that the local authority increased these by 210 children. Planning permission was granted for an extension to the existing school, to incorporate seven new classrooms.

One of the primary requirements for the new block was to provide a light and airy atmosphere for staff and pupils. The contractors were tasked with providing rooflights that would not only offer maximum light ingress, but also provide comfort ventilation and the facility to close automatically in wet weather. In addition the specified rooflights needed a low-profile finish, since the new extension design incorporated a low roof that would be clearly visible.

THE SOLUTION

With a wide range of rooflights and access hatches in stocked and bespoke sizes, and reputation for expert technical advice, Whitesales were the ideal partner for this build. Their expert team worked closely with the contractors to come up with the perfect combination of products to meet the needs of the new extension, including Em-Glaze access hatches, Em-Glaze modular linked units, Em-Dome rooflights and an Em-Dome access hatch.

The primary product specified was Whitesales' Em-Glaze flat glass modular rooflights, aesthetically pleasing and cleverly designed sealed glass units which, with a light transmission rate of up to 78% and unsurpassed thermal insulation values of up to 1.24W/m²K, were a perfect match for the specification requirements. Ultimately, eighteen units were incorporated into the build, with a variety of options, including electrically opening units with rain sensors, allowing for comfort ventilation and triple glazed units to meet the high U-Value requirement. In addition to high-end performance, the Em-Glaze flat glass units have a sleek design, and with powder coated RAL colours, they created an unobtrusive finish that blended well with the extension's visible roof area.

The resulting build is an extension to the existing school that meets all the high demands of the technical specification and maximises available daylight to provide a bright, fresh, airy, environment for pupils and staff to thrive in.

THE BENEFITS

When designing school environments, light ingress, ventilation, and thermal and acoustic insulation are always high priorities. With its high-end performance and aesthetically-pleasing design Em-Glaze is the ideal solution:

- Unsurpassed thermal insulation value of 1.24W/m²K
- Up to 78% light transmission
- Nine sizes available in stock for fast delivery, almost any size made to order
- Self-cleaning and solar control tints available
- Framework can be polyester powder coated to any RAL colour and choice of borders to conceal upstands
- Available in "walk-on" quality – (approx. 50mm thick)
- Fit to Whitesales' PVC curbs to enable manually or electrically opening ventilation and excellent insulation values
- Option for opening for access
- Rain sensors available to ensure rooflights automatically close in wet weather

