



# SIKA AT WORK

## CHURCHWOOD COMMUNITY PRIMARY SCHOOL

ROOFING: Sika Sarnafil G410-15EL

**Sarnafil**®



# CHURCHWOOD COMMUNITY PRIMARY SCHOOL



## PROJECT REQUIREMENTS

Churchwood Community Primary School in St Leonards-on-Sea has a student body of around 200 children between the ages of three and 11. Dated and poorly maintained, the building was in need of refurbishment – particularly the roof, which was un-insulated and subject to major heat gains in summer and heat loss in winter.

Hastings architect AJK was commissioned by East Sussex County Council to bring the building in line with current regulations. Having identified the flat roof as one of the building's main weaknesses, AJK set about sourcing a roofing solution to refurbish it.

## SIKA SARNAFIL SOLUTION

Because the existing flat roof needed re-covering, it was also an opportunity to upgrade the insulation. Sarnafil was chosen for its ability to deal with complicated roof junctions, and to provide a continuous surface across both the flat roofs and the previously pitched patent-glazed areas, which now have numerous roof light openings. Another reason the architect was attracted to Sarnafil was its light grey colour, which was complementary to the metal roof of the neighbouring children's centre.

Sarnafil registered contractor Richard Soan Roofing Services was commissioned to refurbish the 900sq m roof. After removing approximately 200sq m of mansard roof slopes and 700sq m of horizontal roof area, the contractor was able to prepare and overlay the existing failed felt waterproofing. Using Sarnafil's G410-15EL membrane in Light Grey, they applied a new warm roof construction according to Sarnafil's specification.

The flexibility of the Sarnafil system proved particularly useful for the tricky detailing – especially around the new insulated timber roof, which replaced the patent glazing and now featured the roof lights. There were several detailing issues that had to be overcome to ensure the integrity of the system installed met the requirements of the project.

Churchwood Community Primary School is now protected by a thermally highperforming roofing system, with the Sarnafil membrane itself guaranteed for 15-years and also backed by a BBA-certified life expectancy 'in excess of 40 years'.

## PROJECT PARTICIPANTS

**Product:** Sika Sarnafil G410-15EL

**Size:** 200m<sup>2</sup>

**Contractor:** Richard Soan Roofing Services

**Client:** Churchwood Community Primary School

**Architect:** AJK

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## SIKA LIMITED

Sika Sarnafil,  
Watchmead,  
Welwyn Garden City,  
Hertfordshire, AL7 1BQ

## Contact

Tel 01707 394444  
Fax 01707 329129  
Email [sarnafilroofing@uk.sika.com](mailto:sarnafilroofing@uk.sika.com)  
[www.sarnafil.co.uk](http://www.sarnafil.co.uk)

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