

## CASE STUDY

# St Andrews Primary School, Dinas Powys

### Refurbishment of school roof



Roof refurbishment projects at schools carried out during term time require particular expertise on the part of the contractor in terms of control of dirt and debris when stripping, noise and disturbance when working, site safety at all times day and night and particular awareness of the dangers of fumes and hot work in the proximity of young children.

That said, the physical characteristics of the system and materials being installed can contribute greatly to the ease with which the contractor can meet these demands.

Spectraplan TPE membranes are quick and clean to install. They require no hazardous chemicals to weld laps together nor naked flame to bond them to substrates. They can be as quiet as is conceivably possible during installation, often, with fully adhered systems, requiring no drilling at all into the deck. Also, Spectraplan membranes can be installed across a broader temperature and climate range, meaning that more membrane can be laid for more hours per day. The result is that the project is completed in less time, saving budget and reducing time on site, which in turn reduces risk to children.

Spectraplan TPE membranes are environmentally friendly using no plasticisers or halogens in their manufacture, releasing none either in the case of fire and being fully recyclable at the end of their useful life. This is usually a very important specification issue with most local and regional authorities when considering public and educational establishments.

Project Sector: Education

System: **Adhered**

Products Used: **SG120 DG, Enertherm**

Contractor: **Briggs Amasco  
(Bridgend)**

Started: **March 2007**

Completed: **May 2007**

Size: **900m<sup>2</sup>**

SpectraROOF Contact: **Dave Embery**

The St Andrews Primary School project was completed by Briggs Amasco (Bridgend). The roof is 900m<sup>2</sup> and included the complete stripping of the existing failed roof back to the metal deck, installing a new felt vcl, 100mm Enertherm rigid insulation board, new rooflights from Xtralight and the use of Spectrabond low foaming PU adhesive to adhere the Spectraplan SG 120 DG membrane.

All the perimeter edging and flashings were provided by SpectraROOF as part of the system. The project was monitored throughout by SpectraROOF for quality assessment prior to issue of warranty by the SpectraROOF technical department.

