

# Protecting Transformation of Education



Value in multiple aspects is being protected for some of the last schools to be constructed under the Building Schools for the Future programme.

Telford & Wrekin Council appointed Shepherd Construction as framework partner to develop a standardised design approach for the construction or refurbishment of eight schools under the BSF scheme. All eight feature flat roofs constructed using Protan prefabricated single ply membrane, installed by Roofdec Ltd.

In total, over 22,000m<sup>2</sup> of Protan SE1.2mm dark grey prefabricated membrane, mechanically fixed at the edges, will be used, in conjunction with 120mm foil faced PIR insulation and Protan VB250 vapour barrier onto a metal deck.

“The Telford batch of schools required a cost-efficient, robust and technically sound roofing solution. The single ply roofing membrane enables the roofline to be kept low, allowing for a more contemporary approach,” explained Roofdec Ltd Contracts Director Bob Richardson. “The key criteria have been the use of efficient, standardised components across the batch to ensure the greatest economy of scale during procurement and the minimisation of waste. Protan gave us, and our clients, the quality and robustness required, which, with the speed of installation achieved using its prefabricated membrane, helped achieve strict budget and programme constraints.”

Protan's unique prefabricated membrane is supplied ready-welded, significantly reducing hot-air welding on-site. The factory welding also ensures seams are executed in ideal conditions, further reinforcing their performance over 30+ years' on the roof.

Studies show that Protan's innovative prefabricated roof process can cut welding by up to 70%. Penetrations such as 'Mansafe' anchor points, rooflights and vents can even be supplied to individual order pre 'flushed' with Protan SE membrane to further minimise labour. Yet the prefabricated system is cost-competitive with conventional single ply, even before fixing is costed in.

The prefabricated system is just one element of Protan's comprehensive range of single ply roofing solutions, covered at [www.protan.co.uk](http://www.protan.co.uk), all designed to protect value for specifier and contractor. A full support service, from NBS specification and in-house CAD design through to technical advice and variable warranty depending on specification is provided from the company's Warrington headquarters.