



Case study

Ysgol Pen Barras and Rhos Street School combined centre of learning, Ruthin, North Wales

Client: Denbighshire County Council

Main contractor: Wynne Construction

Architect: Lovelock Mitchell Architects

Colorcoat® products:

Colorcoat HPS200 Ultra®

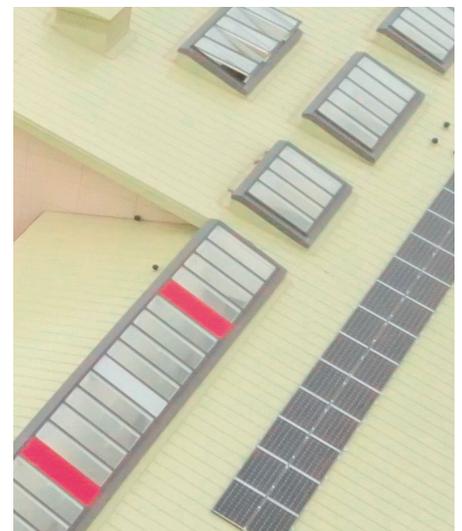
Colours: Moorland Green

Year: 2017

The project

Funded by the Welsh Government as part of its 21st Century Schools Programme, a £11.2M project has seen two primary schools, Ysgol Pen Barras and Rhos Street School, both relocated to modern, fit-for-purpose shared facilities in the North Wales town of Ruthin.

Completed in early 2018, the project was constructed to a BREEAM 'Excellent' standard, as the construction team used a sustainable design and utilised as many ecological and environmental measures as possible.







Tata Steel products:

Designed to withstand even the most demanding and aggressive environments, Colorcoat HPS200 Ultra® pre-finished steel provides super durability and corrosion resistance.

Whatever the type of building, from distribution centres, retail outlets to processing plants, Colorcoat HPS200 Ultra® has a proven performance and reliability.

Made in the UK for a lower carbon footprint, Tata Steel's Colorcoat HPS200 Ultra® is certified to BES 6001 Responsible Sourcing standard. It also

comes with the Confidex® Guarantee for up to 40 years in Zone 1 and Zone 2 areas.

Colorcoat HPS200 Ultra® has an optimised Galvalloy® metallic coating for exceptional corrosion resistance and cut edge protection. It also surpasses the requirements of Ruv4 and RC5 as per EN 10169, thereby providing excellent colour and gloss retention.

A double-sided option, which provides a robust barrier on the reverse side of the steel substrate for buildings with demanding internal and external environments, is also available.

Both schools have maintained their existing names and now occupy separate parts of the new site, with their own main halls. However, both schools do share a centrally positioned kitchen hub.

“This is the first time we have used Tata Steel’s standing seam with Colorcoat HPS200 Ultra® and our installers had no problems and found it easy and quick to install,” says Wynne Construction Design Manager Andy Garner.

Ysgol Pen Barras has teaching facilities with access to outside learning areas. Overall, this school can accommodate up to 315 full time pupils.

Rhos Street School has similar and spacious learning areas and classrooms for each of its year groups, which can accommodate up to 210 full time pupils.

The challenge

Work on the new school started in 2017 and the client wanted a standing seam roof product that was durable, quick and easy to install and one that would meet the desired BREEAM rating.





“We also wanted a product that was natural looking and one that would complement the project’s rural setting. That led us to choose Colorcoat HPS200 Ultra® pre-finished steel in Moorland Green,” explains Lovelock Mitchell Architects Project Architect Tom Rhodes.

Traditionally school projects in North Wales would have had a slate covered roof, however this product was deemed to be too expensive and an easier to maintain solution was required.

Consequently, approximately 4,500m² of 514mm standing seam was used, as well as a further 2,000m² of flashings.

The solution

“This is the first time we have used Tata Steel’s standing seam with Colorcoat HPS200 Ultra® and our installers had no problems and found it easy and quick to install,” says Wynne Construction Design Manager Andy Garner.

“As Colorcoat HPS200 Ultra® comes with the Confidex® Guarantee for up to 40 years, we have complete confidence in the product and peace of mind for this scheme,” sums up Mr Garner.

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