



CORUS



Corus Panels and Profiles Case Study

Ysgol Cae Top School, Bangor

Corus Panels and Profiles Trisomet® 333 System has been specially selected to feature on the new state of the art school in the Eithinog area of Bangor.



Project details

Client:	Development Directorate - School Services
Architect	Gareth Jones - ISP Architects LLP
Contractor:	Carillion Building
Installer:	Lester Fabrications
Corus system:	Trisomet® 333 System
Colorcoat® product:	Colorcoat Verso® in Merlin Grey

Telephone: 0845 30 88 330



“We are familiar with the Corus Systems and I feel confident recommending them due to their quality, design, sustainability credentials and guarantees. One of the greatest advantages of using these systems is that they allow us to finish an installation in half the time required by other systems.”

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This much anticipated £4 million investment by Gwynedd Council will ensure the latest modern 21st century facilities for the pupils and staff of the primary school which will be located near the secondary school, Ysgol Friars in the city.

The school is designed for 210 pupils and is located in an area of ecological importance. Which is why care and precaution has been taken in the design and procurement of the construction materials selected for the new school's building envelope, to ensure it is sympathetic to its surrounding environment. The project has been environmentally assessed by the Building Research Establishment (BRE) and is on course to receive a BREEAM excellent rating.

The building has several renewable features, which include:

- Solar panels to supplement the hot water heating.
- Ground source heat pumps to heat the under floor heating
- Photovoltaic panels and wind turbines to supplement the electrical consumption.
- Recycled rainwater from the roof to flush the toilets.
- Natural daylight and ventilation through large windows.
- Wind catchers and Sun pipes to provide natural daylight and ventilation.

Rhys Hughes, Ysgol Cae Top Headteacher added: “This new environmentally friendly building gives us a fantastic opportunity to educate the children at Ysgol Cae Top in modern, state-of-the-art facilities that reflect modern educational requirements”.

The Corus Trisomet® 333 System which has been used on the roof using Corus Colorcoat Verso® in Merlin Grey giving the school building a contemporary look as well as the added benefit of blending in to the sky line. Colorcoat Verso® also provides the building with superior corrosion resistance due to the optimised Galvalloy® metallic substrate.

The Corus Trisomet® 333 System, the latest offering from Corus Panels and Profiles, is an ideal choice for this project as it offers many sustainability and economic benefits.

The system has been specifically engineered by a team of industry experts to perform to the highest standards of thermal performance, air-tightness and structural performance and can be recycled at the end of its life, ensuring one of the most sustainable system for the building envelope.

The quick and easy single component assembly feature of the Corus Trisomet® 333 System is excellent for fast track building. Steve Lester the installer of both systems worked closely with the Architects IPS to select the optimum envelope solution for such a project of this sensitive nature and jointly agreed that Corus fulfilled both their criteria. Steve Lester, “We are familiar with the Corus Systems and I feel confident recommending them due to their quality, design, sustainability credentials and guarantees. One of the greatest advantages of using these systems is that they allow us to finish an installation in half the time required by other systems.”

Care has also been taken at every stage of the manufacturing process by Corus to ensure that the carbon footprints of all of their systems are kept to a minimum and this is backed up by Corus to deliver a fully traceable and technically robust solution.

Together with the installation of fire suppression sprinklers to protect the building, the Corus Trisomet® 333 System is also LPCB approved assuring their performance in fire and providing lower insurance premiums.

Corus Panels and Profiles has established market supremacy in supplying insulated roof and walling systems that allow for flexible design solutions, required to meet the needs of different buildings whilst still being able to create buildings that meet the high levels of air tightness and thermal efficiency demanded by the building regulations.