



Project Fact Sheet

BALBRIGGAN POST PRIMARY SCHOOL, CO. DUBLIN



BALBRIGGAN POST PRIMARY SCHOOL



Project: BALBRIGGAN POST PRIMARY SCHOOL

Value: €13M

Client: Department of Education

Stage: Completed

FACTFILE

This project was let on a Design and Build basis as part of the Rapid Build Schools programme. ABM's role in the project was as Main Contractor and Project Supervisor for the Construction Stage (PSCS).

The responsibilities of ABM in delivering the project were:

- Contractors Representative
- Design and Construction team leader.
- To manage the design team members in the development and co-ordination of rapid build construction techniques and to ensure that the relevant information was available to achieve both the rapid start on site date and to adhere to the fast track programme

SCOPE OF WORKS

The building structure was constructed using Precast concrete wall panels and hollow core concrete floors. The buildings external wall was constructed with rendered blockworks and brickwork. A 100mm kingspan composite roof panel was fitted to a structural steel and sheeting rail roof supports. Quilt insulation being fitted to satisfy the criteria to reduce rain drumming noise.

Mechanical and Electrical containment was surface mounted to the precast wall panels. These works commenced once the 1st floor construction was completed.



Polyfloor XL PU is used in general classroom areas and suspended ceiling finish. Both products provide sound absorption to satisfy the acoustic reverberation requirements set out in the TGDs.

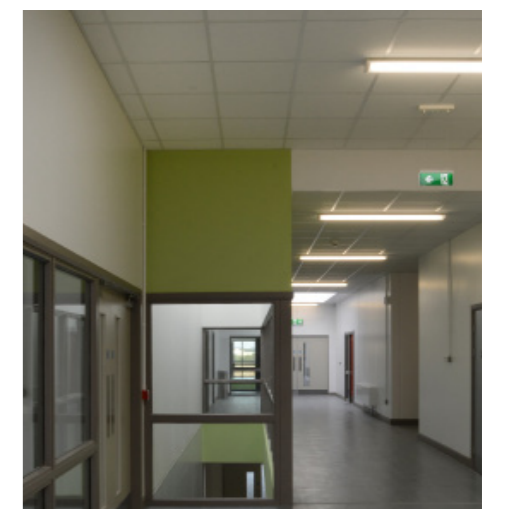
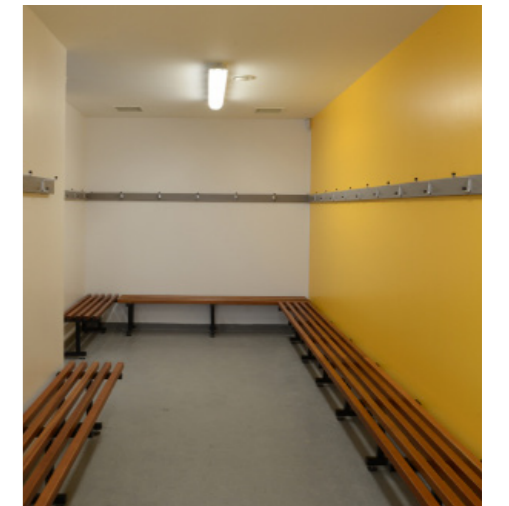
The benefits construction the frame in this manner are speed of build, quality, enhanced building physics, design certainty and greater efficiencies in Health and Safety and the environment.

Risk to the programme is reduced through off-site manufacture and increased on site erection time of the internal walls and floors in conjunction with one and other results in the Mechanical and Electrical services works commencing earlier than other methods of construction.

Using a complete precast structure has now become a popular choice for many construction projects throughout Ireland. With RAPID BUILD SCHOOL DELIVERY, time is critical. Precast solutions are widely regarded as an economic, structurally sound and architecturally versatile form of construction. 'Total Precast' combines the benefits of rapid construction and high quality materials with the advantages of factory controlled production lines and quality assurance.

The precast structure selected by ABM offered fast construction, structural stability and enhanced fire resistance. A wide range of options are available for creating the perfect system to achieve the size and shape of building required.

This decision was critical and was the biggest factor which allowed the school to be delivered to accommodate 750 pupils for September 2016.



BALBRIGGAN POST PRIMARY SCHOOL



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