



fermacell[®]

fermacell Project & Solution

Lane End Primary School, Beeston, Leeds, UK

- Tight timescale
- Specification switch from plasterboard
- fermacell products: **fermacell** Gypsum Fibreboards 12.5 mm (3000 m²)

Lane End Primary School, Beeston, Leeds, UK

The Project

Gypsum fibreboard from fermacell was used to dry-line a new primary school to enable the main contractor, Interserve Construction, to accelerate the construction programme. 3000 m² of fermacell's 12.5 mm square-edged panels have been used throughout the £5.5 million Lane End Primary School in Beeston, Leeds, which now caters for 420 three to 11-year-olds.

Project Requirement

DLA Architecture developed the school building design, which includes a substantial sports hall also built of steel frame with brick and block infills. Designed by NPS for Leeds City Council's children's services, the original specification was for plasterboard which would have required two layers and plywood pattering to meet the loading requirements for potentially heavy wall fixings. Leeds City Council project coordinator Martin Morgan said: "fermacell products were not part of the

authority requirements specification. They were a product put forward for use in sections of the building that complied with a high-level specification."

Solution

Using gypsum fibreboard panels enabled the dry-lining at Lane End to go ahead with just a single layer of fermacell, negating the need for one layer of plasterboard and one layer of plywood pattering, saving money on materials and manpower. DLA chartered architectural technologist Aharon Fegan said: "The original NBS specification supplied to us by NPS specified plasterboard internal wall linings." Interserve then requested that the internal wall linings specification be revised to fermacell. Interserve had not used fermacell before but they knew of the potential benefits of the product.

"Interserve's main aim was to save time on the construction programme by allowing installation of the internal walls before

the building was watertight. Interserve asked us to evaluate the product for this particular building. Once we confirmed all details and specifications, fermacell was specified." DR Plastering, Rendering & Partitions commercial manager John Afford said: "The fermacell panels were an integral part of the building as it was a school and needed a severe duty rating. The original specification had many double-boarded partitions with pattering. The fermacell specification reduced the walls to single boards with minimal pattering hence a cost saving was produced. The basic material cost saving was approximately £6 000 or 3.5% of the dry-lining works. It also saved on loading out/labourers as there were less materials involved and also less waste generated. These are difficult to quantify but could have been a further £10 000."

Photo: Interserve Construction



Overview	
Architect	DLA Architecture
Main Contractors	Interserve Construction
fermacell installers	DR Plastering, Rendering & Partitions
Client	Leeds City Council

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