

PROJECT PROFILE

Liscard Primary School
Wallasey, Wirral



Sector: Education

Client: Wirral BC

Size: 1,500m²

**System: Decra Noxite
Lightweight Tiles**

Project Overview

Liscard Primary School is a mixed community school which is more than twice as large as an average-sized primary school. This old school was required to be completely re-covered with Icopal's Decra Noxite lightweight tiles, delivering an innovative waterproofing solution that also removed harmful pollutants from the air. On this extensive refurbishment project, all works needed to take place during term time which presented a number of issues. However, MAC Roofing were able to overcome all concerns during many meetings which took place between themselves, the school and the local authority.

“This was the first Decra Noxite installation in the world. The project was delivered on time with only minor issues to deal with along the way, to the delight of both the client and the school.

The Solution

The roof elevations contained numerous challenging dormers and valleys where the original slates had to be removed, with new quilt insulation then applied over the ceiling. Felt and battens were then affixed before the final installation of the Decra Noxite tiles. All vent dormers had to be reconstructed, and all structural main roof timbers had to be mechanically fixed to the masonry construction. This was achieved with stainless steel stud bolts drilled and resin bonded along every wall plate. The main timbers were then reinforced with steel straps. This operation was specified to ensure that the new lightweight roof coverings would not allow the whole roof to become dislodged during high winds.

The weather presented a further challenge, as all works had to be completed whilst trying to keep the roof watertight during the winter months. MAC Roofing liaised daily with the school to ensure that the whole project could be safely completed whilst school lessons continued, all to an agreed duration and programme. The project was delivered on time with only minor issues to deal with along the way, to the delight of both the client and the school. This project was also the very first Decra Noxite installation in the world!



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