



## Built-Up Roofing

### Cathcart Street Primary School / MAC Roofing & Contracting Ltd



Background



Cathcart Street Primary School had severe problems with water ingress which was causing major damage and disruption to the school, including damage to computers. During bad weather some classrooms had to close due to the amount of water entering the building. IMA contractor MAC Roofing & Contracting, which already had a good relationship with Wirral MBC, was given complete responsibility for the specification and planning of the flat roof systems required for the school, which comprised built-up roofs, gutters and a number of rooflights.

#### Challenge

MAC Roofing initially delivered a full survey highlighting a number of problems with the roof. A subsequent thermographic survey revealed that large areas of the roof insulation were saturated and so the complete removal and replacement of the existing roof was recommended.

As a matter of urgency, roofing work had to be undertaken during term time and to expedite the works, MAC Roofing also worked at weekends. With the school open there was only limited space available on the school grounds and so a major reorganization of the car park was required to create a fenced-off compound area. Rubbish could only be removed into skips outside school hours, due to the proximity of pupils and vehicles, so careful planning was required to avoid over - stockpiling waste on the roof.

#### Solution

MAC Roofing stripped the roof down to the metal deck before installing Icopal's Total Torch Vapour Control Layer with 120mm PIR insulation. This was then waterproofed with Vedag Turbo heat-activated underlay and finished with a layer of Profiles XL Brown mineral capsheet. The skylights were also replaced with new rooflight units to conform with Part L of the Building Regulations.

MAC Roofing's goal was to provide a fast solution to a problem roof on a sensitive site, and at a difficult time of year. The school, and Council, now have a superior roof which was installed safely and efficiently, without affecting the running of the school.

#### Project:

*Cathcart Street Primary School,  
Birkenhead, Wirral*

#### Area:

*1700 m<sup>2</sup>*

#### Completion Date:

*2011*

#### IMA Contractor:

*MAC Roofing & Contracting Ltd, Wirral*

#### Client:

*Wirral MBC*

#### System:

*Profiles XL capsheet on Vedag Turbo  
Underlay, Insulation and Total Torch VCL*