

CASE STUDY

CHESWICK GREEN PRIMARY SCHOOL, SOLIHULL

School benefits from new thermally efficient insulation



IKO PLC has provided 2,000m² of roofing material for a primary school in Solihull.

Cheswick Green Primary School's existing building was in need of refurbishment as its roof was severely failing. The head teacher, Carol Mason, had a vision of how she wanted the school to be and worked in conjunction with architects Ridge and Partners LLP to make this happen. A new build area was also commissioned.

IKO's approved installing contractor Monarch Roofing of Stourbridge, undertook the works on behalf of the local education authority, and quickly identified the challenges facing the project. The school had to remain fully operational throughout the works, with all the accompanying health and safety issues this posed.

IKO's single layer Mach One was chosen as a quick waterproofing system to install, as its flame-free / cold-applied installation would minimise disruption to the day to day running of the school.

IKO Systems Self-Adhesive metal lined vapour control layer was fully adhered to the decking using a specialist bonding agent and to this IKO MG PIR Insulation was bonded using IKOpro PU

Project Sector: Education

System: Built-up Felt Roofing

Products Used: Mach One

IKO Systems S-A VCL

Enertherm PIR MG Tapered Insulation

Size: 2000m²

Insulation Adhesive.

The IKO MG PIR insulation was incorporated in a bid to provide a reduction in CO² emissions in comparison to the existing system, and as a result the new roofing system successfully achieved a revised U-value of 0.18W/m²K. This full thermal upgrade has proved that the school has already benefitted from reduced heating costs.

The new roof is an excellent example of how bituminous membranes, along with good design and intelligent use of insulation, can deliver a problem-free roof for schools. The roof was installed quickly and efficiently and the running of the school was not affected during the work.

A 20 year single point guarantee was issued.

