

High-Performance Modified Bitumen Provides Waterproofing For School

Marches School & Technical College | Oswestry, Shropshire

CHALLENGE

Two of the three roofs had previously been overlaid, with saturation of the waterproofing having already taken place within the existing insulation. Water on these roofs was falling away to the low window upstands and also a small roof section that contained no drainage, with no possibility of installing any additional internal outlets in order to remove the water.

Due to deflection within the roofs, there was some considerable standing water at the perimeters of the roof. The existing roof lights were that of the original and old Georgian wire which were all fragile. A warranty in excess of 20 years was required.

SOLUTION

The saturated roofs were completely stripped back down to the plywood decking in order to ensure all water contamination was removed. A new full tapered insulation system was designed in order to completely reverse the existing structural falls, allowing for the standing water to be removed to a new external rainwater guttering system installed to the opposite perimeter of the roof. A new Garland StressPly® Flex Plus waterproofing system was then applied, providing an exceptional and long-lasting solution.

New triple skinned, non-fragile polycarbonate roof lights were installed to replace the existing old fragile type. Due to the complexity of the project, the Garland Technical Manager was on site between two and three times a week so as to ensure all roofing works were being installed to the correct specification, with a full 25 year Garland warranty being issued on the successful completion of this project.

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PUBLIC SECTOR



Project:	Marches School/College
Location:	Oswestry, Shropshire
Garland Rep:	Darren Johnson
Contractor:	General Asphalt
Materials:	StressPly® Flex Plus

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