

## High Performance Modified Bitumen Provides Waterproofing For School

Woodbrook Vale High School | Loughborough, Leicestershire

### CHALLENGE

After carrying out a, no obligation, survey of the schools flat roof sections, a detailed written report (with photographic evidence) was compiled and presented to the school. This detailed report highlighted the poor condition of the existing roof sections and also provided the school with budgets for the cost of refurbishment.

The report was used by the school to gain funding through the Academy Capital Maintenance Fund which was in competition with over 1000 bids and with £276 million available the bids totalled £1.16 billion over 4 times oversubscribed. During this bid round Garland helped and obtained 100% of the funding that was bid for by their Academies.

Once the funding had been secured, the worst roof sections were highlighted to the client and a number of solutions were provided by the Garland Technical Manager. These solutions provided the client with the options of; a non-insulated overlay, an insulated (to current regulations) overlay and a tapered insulation (to current regulations) overlay. The installation of the new roof system would be carried out during term time; therefore disruption had to be kept to a minimum.

### SOLUTION

Following discussions with the client it was decided that a StressPly® Flex Plus Overlay System would be installed. It was agreed that the roof system would not be insulated as this would allow the school to re-roof a larger area of 3300 square metres in a shorter time. A tapered insulation system was not required as the existing roof system already had a good fall within the metal deck and it was evident that once the surface chippings were removed, water would drain more efficiently. The proposed roof system would come with a 20 year independent, single point, Garland (UK) guarantee.

A Garland representative was on site a minimum of two times a week in order to ensure that; the roof system was installed with as little disruption to the day-to-day operations of the school as possible and that all roofing works were being installed to the correct specification.

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## PUBLIC SECTOR



<b>Project:</b>	Woodbrook Vale School
<b>Location:</b>	Loughborough, Leicestershire
<b>Garland Rep:</b>	Daniel Simpson
<b>Contractor:</b>	M & J Roofing
<b>Materials:</b>	StressPly® Flex Plus

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