

## High Performance Liquid Coating Provides Waterproofing For University

Graham Oldham Building, Loughborough University

### CHALLENGE

When leaks started to occur at this 600 square metre roof section, the client immediately called upon the expertise of their Garland Technical Manager.

Following discussions with the client and inspection of the roof section, it was evident that the following had to be taken into account before any solution could be proposed. With the life expectancy of the building expected to be no greater than 10 years, the client required a guarantee that would not only see out the life of the building but also match their budget. The client also pointed out that they had no desire to upgrade the buildings thermal performance.

The roof had a large amount of air handling units that, due to costs, could not be raised or removed. With these units standing on the roof section it eliminated the use of any type of built up roof system, as many roof details would prove too difficult to waterproof. A solution had to be sought.

### SOLUTION

It was proposed that Garlands White-Knight® Plus System, a high-performance cold applied liquid polyurethane coating, would be installed at the roof section. This proposed roof system not only matched but exceeded the client's expectations as it would also come with a 15 year independent, single point, Garland guarantee.

This single-component, liquid waterproofing membrane is designed to restore and upgrade the performance of aged roof systems. The ease of application made the White-Knight® Plus system extremely simple to install at the difficult details around and under the low ventilation units.

Not only does the clients new roof system provide added UV and waterproofing protection, it can also dramatically lower the amount of energy required to cool the interior of the building due its reflective attributes.

Garland continues to manage all of Loughborough University's roof assets – a true Garland partnership.

White-Knight is a trademark of Garland Industries



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## PUBLIC SECTOR



<b>Project:</b>	Graham Oldham Building
<b>Location:</b>	Loughborough University
<b>Garland Rep:</b>	Daniel Simpson
<b>Contractor:</b>	NRA Roofing
<b>Materials:</b>	White-Knight® Plus

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