

# Built-Up Roofing

## William Harvey Hospital, Ashford, Kent



### Background

William Harvey Hospital is named after the English physician who was the first to describe accurately how blood was pumped around the body by the heart. A metal sheet roof over part of the clinical zone at the hospital had failed and was in need of repair.

### Challenge

The roof had been overlaid around 20 years ago with an aluminium sheet system, used to rectify a failing felted roof installed in the 1970s, but was unable to cope with the roof's shallow pitch and awkward detailing, and so a new solution was needed.

Architect Roger Neaves, of Neaves Perry Architects, required an aesthetically viable roof covering that could be installed swiftly and would provide a long-lasting, low maintenance finish. A flexible membrane was specified to achieve a high quality finish, with excellent performance characteristics.

### Solution

The cost and time efficiency of a membrane, over simply replacing the original standing seam roof, made this a much more attractive specification option for the NHS Trust.

Icopal's innovative Noxite membrane was chosen. It includes a coating specially designed to transform harmful nitrogen oxides into harmless nitrates. To secure the contract, Byford Roofing had to reassure Hospital management that the new roofing material would deliver the high performance required, but also show that it would be a highly cost effective solution with savings gained by using the membrane verses replacing the metal roof.

Having won the contract, a team of up to five roofers working non-stop under a protective canopy completed the first phase of the project in under six weeks. The torch-on membrane was quick to install, and the team achieved the highest level of detailing around box gutters and edging, delivering a highly impressive finish. The contract also marked the launch of Noxite into the UK, and so was a particularly significant achievement for the Byford team.

Noxite® from Icopal is part of its Eco-Active range of building protection systems, manufactured with recycled bitumen content and a granular titanium dioxide finish which works actively with the surrounding environment to transform harmful nitrogen oxides into harmless nitrates.

<b>Project:</b>	<i>William Harvey Hospital, Kent</i>
<b>Area:</b>	<i>1500 m<sup>2</sup></i>
<b>Completion Date:</b>	<i>May 2011</i>
<b>System:</b>	<i>Noxite Eco-activ capsheet and Total Torch System</i>
<b>Client:</b>	<i>East Kent Hospitals University NHS Foundation Trust</i>
<b>Specifier:</b>	<i>Neaves Perry Architects, Ashford</i>
<b>Main Contractor:</b>	<i>Limen Construction Ltd, Rochester</i>
<b>Contractor:</b>	<i>Byford Roofing Services Ltd, Kent</i>