

Case Study

Installing an environmentally friendly roof

HATTERSLEY CLINIC TAMESIDE

Background

Investment (£)	£380k
Start date	November 2018
Completion date	August 2019
Architect	Urban Design and Consult
Construction company	Red Tree Contractors Ltd
NHSPS lead	Sally Teague, Senior Construction Manager

The Challenge

The roof at Hattersley Clinic was past its lifespan and had begun to leak, causing damage internally and disrupting patient services.



The Solution

The NHS Property Services construction team initiated, managed and funded the project to fully replace the roof. As part of this solution, where possible, we aimed to use the new and innovative sustainable construction material called Noxite, so the roof replacement not only provides a solution to the leak but also creates environmental benefits.

Noxite reverses nitrous oxide (NOx) particle air pollution to provide a cleaner, healthier environment. The roof uses the sun's rays to produce a reaction that turns harmful nitrous oxides into harmless nitrates that can be washed off the roof when it rains.

Construction was carried out over ten months and in an impressive feat of project management and construction expertise, the building remained open throughout. Extensive efforts were made to keep the building watertight whilst the roof was installed to minimise disruption for patients and staff.

The Result

The result of the new roof is a depolluting effect where the pollutant is neutralised from the environment. This purifying process is permanent, throughout the life of the waterproofing membrane on the roof.

The new roof has recently won the Eco-Active Roofing Award at the 2019 Intelligent Membrane Association (IMA) Awards. The annual awards, most recently held in September, are billed as a fantastic opportunity to recognise and reward the expertise, skills and professionalism of IMA members.

Sally Teague, Senior Construction Manager for NHS Property Services: "This was an exciting project to be a part of, it's always rewarding when we can use new technology like this to improve facilities for patients and clinical staff, while making a contribution to environmental sustainability. This is just one part of creating a healthy environment for patients and demonstrates the commitment of NHS Property Services to using innovative and sustainable construction techniques where practical."