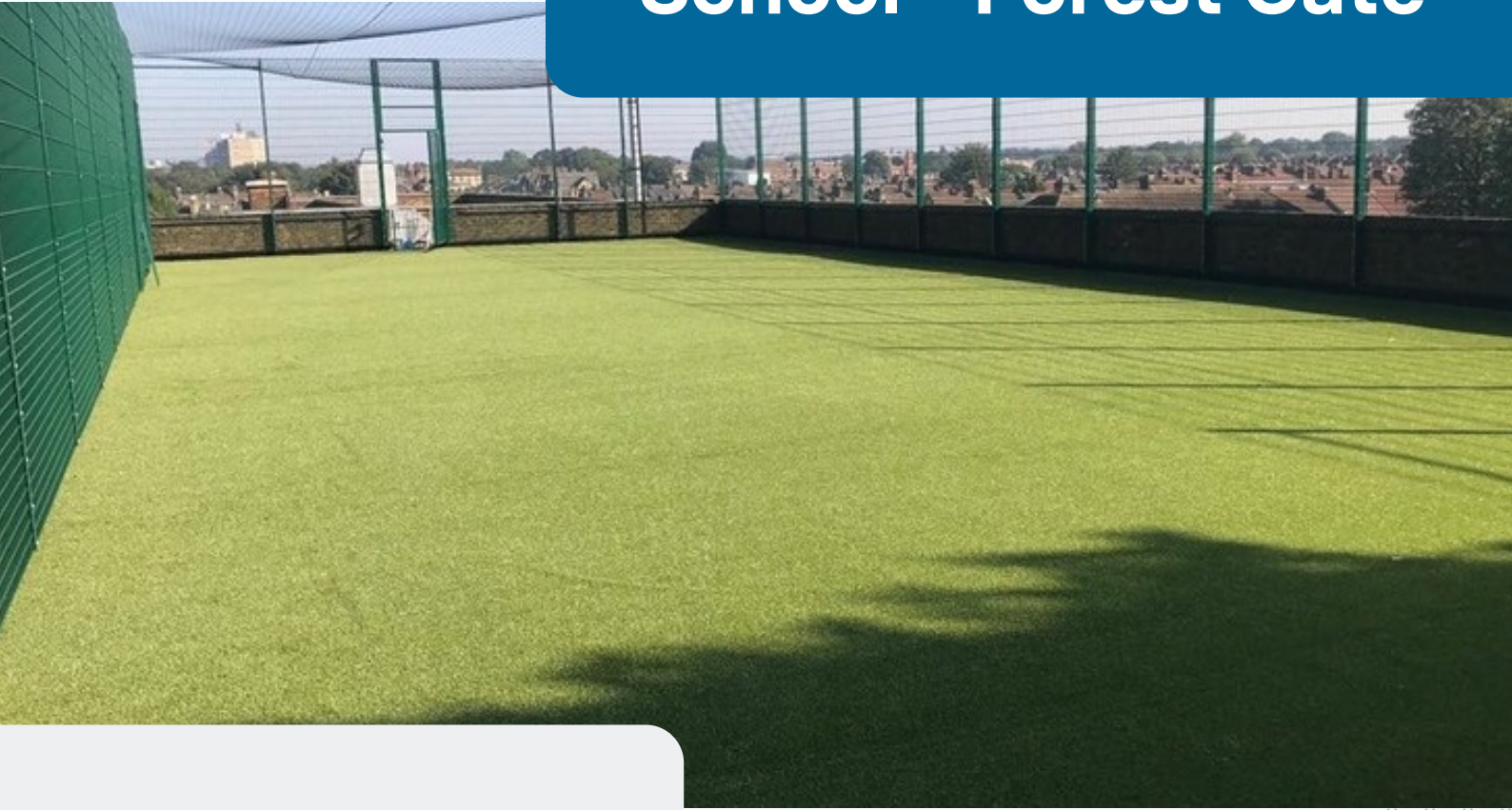




Case Study

St Angela's Ursuline School - Forest Gate



Project Details

Client:

Barker Associates
(for Diocese of Brentwood)

Location:

Newham, London

Date Completed:

2018

System Used:

Langley Reinforced Bituminous
Membrane System

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Overview

We refurbished the main hall roof of St Angela's Ursuline School, a Roman Catholic girls' school in Forest Gate, London, founded in 1862. The roof had minimal insulation and was suffering from water ingress caused by wind-driven rain. The school also used the roof as a play area, which needed upgrading to meet modern standards.





The Challenge

The existing flat roof was no longer fit for purpose, with inadequate waterproofing and insulation, and pupils continued to use it as an elevated playground. The project required a design that protected the historic building fabric while also providing a safe, functional outdoor sports surface.





Our Solution

Working with Barker Associates, we installed Langley's Reinforced Bituminous Membrane system. The build-up included:

- Graviflex anti-root layer to protect the structure

New insulation to improve thermal efficiency and reduce heating costs

- Rubber-based surface layer to provide resilience and protect insulation
- Drainage improvements to handle rainwater effectively and safeguard the historic building
- We also fabricated and fitted a bespoke safety cage and replaced external access stairs to ensure safe long-term use of the new rooftop play area.

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The Results

- 425m² main hall roof fully waterproofed and insulated
- Converted into a modern 4G artificial grass football pitch
- Improved thermal performance to meet building regulations
- Reduced heating costs for the school
- Enhanced safety with new access stairs and safety cage
- Works covered by a 20-year independent insurance-backed guarantee





For More Information Contact Us

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