ALUMASC ROOFING

MORGAN SINDALL CONSTRUCTION

Brand New Oasis Academy, Silvertown Leads Education Facilities by a Mile with Garden Roof Spaces, and Rooftop Sports Pitch

Sustainable Education New Build

PROJECT
BREEAM excellent Academy with 2,600m^2 garden roof spaces and sports pitch build up.

PRODUCTS
Hydrotech inverted roof, paved, ballast and a MUGA sports pitch build up, social areas and gardens.

PERFORMANCE
Hydrotech 30% recycled content, BBA and European Technical approval, fully warranted system designed for the lifetime of the Academy.

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Oasis Academy, Silvertown

In the heart of what is now the Royal Docklands, a former industrial zone south of Royal Victoria Dock lies a brand new carefully considered Academy. Set to serve 600 students in this emerging community, the "superblock" thrusts modern educational facilities well into the 21st century. Despite the constrained site, the building design harmoniously incorporates vantage points from outdoor social spaces at varying levels.

There's no need to worry about a gravelly all weather pitch causing havoc at your hockey match. There's a state-of-the-art full size Multi-Use Games Area, lush planted external roof spaces, a double height sports hall, and main hall/performance area making up the core of the building inside.

Client Brief and Design

Renowned in their field, regeneration experts Morgan Sindall required a single sourced end-to-end roofing solution that could deliver a full system specification underpinned by a **35-year system warranty**, installation expertise and site management.

Understanding the Architect's vision at award winning Rivington Street Studio to create a transformative educational haven and maximise the potential of the **outdoor roof areas** helped the Alumasc Roofing team bring this roof to life.

Partnership

Working with the project teams across Morgan Sindall, Rivington Street Studio and Fenland Flat Roofing pushing the boundaries and setting the standard for the future of the built environment in the Education sector.

Tim Mott, Senior Design Manager, Morgan Sindall, "Brian and the Alumasc team have been on-site with additional safety constraints and delivered high-quality regular progress reporting to achieve the deadlines for the students to move in next year and really put these fantastic facilities to use."

Brian Cottington, New Build Regional Manager - South East & London, "The original specification included warm roof build ups which utilised tapered insulation, however this was subsequently adapted and working closely together with the Architect, Morgan Sindall and Fenland Flat Roofing we implemented a universal standard build up using an inverted system, with less complexity whilst achieving the high system performance and BROOF (t4)."

Richard Trew, Associate, Rivington Street Studio, "The garden roof areas and outdoor space bring this building to life and against the industrial backdrop create a nurturing school environment. It was great working with the Alumasc team solving problems and overcoming design challenges along the way."

Chris Preston, Estimator, Fenland Flat Roofing, "Working closely with the local Alumasc Roofing Site Technicians and engaging in extensive discussions agreeing the final system requirements meant the installation process ran smoothly."

Environmentally Focussed Solution

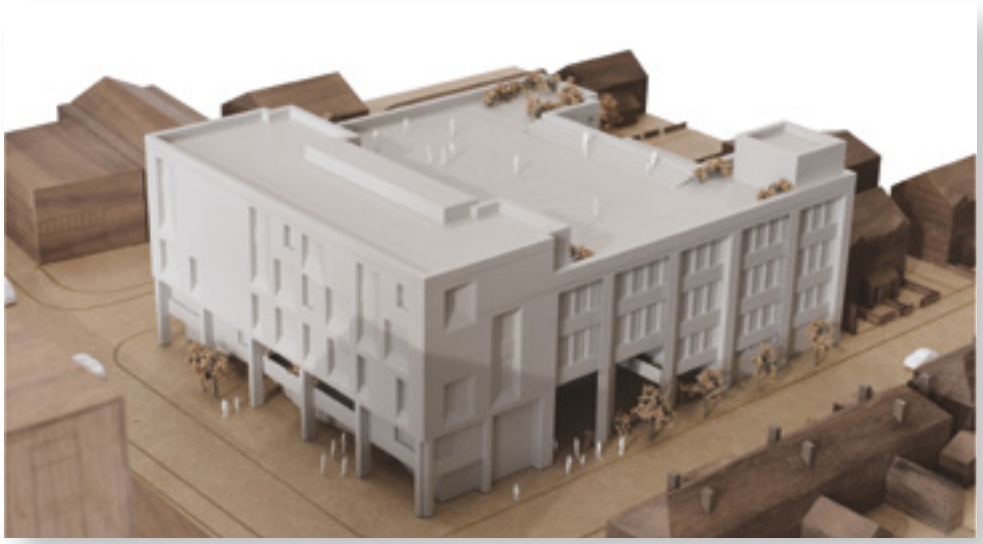
The high performance Hydrotech inverted roof is a special formulation of refined asphalts and synthetic rubbers with 30% recycled content. Installing insulation with exceptional thermal properties including 300mm extruded polystyrene insulation and 56mm inverted upstand insulation effectively reduces heat loss.

Safety Performance

The application is a one-component, hot-applied, fully reinforced, flexible, self-healing hot melt monolithic membrane, applied in a liquid state to the substrate giving a 100% absolute and seamless bond.

The Academy has a 35-year warranty for the works and has a fire classification of BROOF (t4) in accordance with BS EN 13501-5.

For more information on our new build projects and range of roofing solutions, please contact us at
info@alumascroofing.com | www.alumascroofing.com



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About

The Oasis Academy is set to open its' doors February 2022.

Images courtesy of Rivington Street Studio

Contractor: Morgan Sindall

Installer: Fenland Flat Roofing

Architect: Rivington Street Studio

Completion: Autumn 2021