



SIKA AT WORK

SINGLE PLY ROOFING SYSTEM **TOPS NEW**
CONSTRUCTION SKILLS HUB AT CASTLEFORD
COLLEGE

ROOFING: Sikaplan® SGK-18 waterproofing membrane

BUILDING TRUST



CASTLEFORD COLLEGE, CASTLEFORD

THIS PROJECT IS A NEW BUILD TWO-STOREY CONSTRUCTION SKILLS HUB AT CASTLEFORD COLLEGE IN CASTLEFORD, NEAR LEEDS. THE BUILDING FORMS PART OF A WIDER INVESTMENT PROGRAMME TO MODERNISE FURTHER EDUCATION IN THE AREA, DELIVERING A STATE-OF-THE-ART LEARNING ENVIRONMENT DESIGNED TO SUPPORT BOTH ACADEMIC STUDY AND VOCATIONAL TRAINING IN ADVANCED CONSTRUCTION TRADE SKILLS.

THE BUILDING REQUIRED A ROOFING SOLUTION CAPABLE OF DELIVERING HIGH LEVELS OF THERMAL EFFICIENCY, WEATHER PROTECTION, AND LONGEVITY DUE TO ITS EDUCATIONAL USE AND EXPECTED HIGH OCCUPANCY. THE ROOF AREA COVERS APPROXIMATELY 1,245M² AND WAS DESIGNED AS A KEY PERFORMANCE ELEMENT OF THE OVERALL BUILDING ENVELOPE.

The roofing works were delivered using systems manufactured by Sika, installation by roofing contractor D&D Roofing Ltd, and Meldrum Construction acting as the main contractor. The roof build-up comprised a Sarnavap® 1000E vapour control layer, Sikatherm® PIR GT 150mm thermal insulation, mechanically fixed to ensure consistent performance and enhanced thermal efficiency, and a Sikaplan® SGK-18 waterproofing membrane fully adhered using SikaRoof® Adhesive 500.



A key factor in the single ply membrane system selection was its proven long-term waterproofing performance and durability. As an educational facility expected to experience regular use, the roof needed a robust system with minimal maintenance requirements. The chosen Sika system, coupled with a 20-year guarantee, provides long-term assurance of performance and reliability.

Its lightweight construction was also a significant advantage. Installed over a metal deck, the system did not add unnecessary structural load, making it ideal for efficient design without compromising structural performance. This helped maintain overall build efficiency while still achieving high thermal and environmental standards.

The system allowed for quick installation where the build programme schedule was ambitious. This helped the project team maintain tight programme deadlines, which are particularly important with a live education programme and ensured earlier weather-tight completion.

Aesthetically, the lead grey smooth finish provided a clean, modern appearance, which complemented the architectural intent of a contemporary learning environment.

PROJECT PARTICIPANTS

Client: Heart of Yorkshire Education Group

Main Contractor: Meldrum Construction

Roofing Contractor: D&D Roofing Ltd

Our most current General Sales Conditions shall apply.
Please consult the Data Sheet prior to any use and processing.



SIKA LIMITED
Head Office
Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
United Kingdom

Contact
Phone +44 1707 394444
E-Mail enquiries@uk.sika.com
www.sika.co.uk

BUILDING TRUST

