



## Case study Education

**Architect:** Aedas Architects

**Main Contractor:** Balfour Beatty

**Specialist Contractor:** Speedwell Roofing & Cladding

**Products Specified:** SikaTack® Panel Adhesive

## Joint Sealing & Elastic Bonding

**SikaTack Panel Adhesive, a revolutionary cladding adhesive system that eliminates unsightly mechanical fixing system from spoiling the building envelope, has provided the ideal solution for the cladding of Huyton Arts and Sports Centre for Learning.**

Part of the £150million Knowsley Schools BSF (Building Schools for the Future) programme, Huyton Arts and Sports Centre for Learning is one of seven schemes being delivered to create new facilities in the region. Each scheme has been individually designed but they all share the same principles of integrated architecture, structure and environment.

With such a focus on design, it was of paramount importance that nothing spoil the clean lines of the cladding. SikaTack Panel Adhesive from leading building product manufacturer Sika, provided the solution.

A high performance adhesive system, it allows cladding panels to be bonded to a structure rather than being mechanically fixed. This overcomes the problem of mechanical fixtures protruding from the cladding, interrupting the appearance.

Designed by Aedas architects and built by Balfour Beatty for Knowsley Metropolitan Borough Council, Huyton Arts and Sports Centre for Learning features a Gebrik Insulating Brick Cladding System to a level of four metres with Petrarch cladding panels from CEP Claddings covering the remainder of the building. The Petrarch panels combine the aesthetic appeal of slate or natural stone with the design flexibility afforded by a lightweight, large panel format.

Specialist contractor Speedwell Roofing and Cladding used the SikaTack Panel Adhesive to bond the panels to the structure. Using elastic bonding technology, the system requires no screws or brackets. Instead, panels are temporarily held in place using a special 3mm thick double-sided tape and the SikaTack Panel Adhesive firmly bonds the panel to the carrier frame, keeping each panel secure for decades to come.

SikaTack Panel Adhesive was also used on the nearby Halewood Centre for Learning, another project forming part of the Knowsley Schools BSF scheme.

Certified by the British Board of Agrément and accredited by the highest standard of quality assurance, ISO 9001/EN29001, SikaTack Panel was the certified choice. The product has also been tested to extreme conditions and has been proven to last without any reduction in performance.

Front Cover: Huyton Arts and Sports Centre  
Back Top: Halewood Centre for Learning  
Back Bottom: Huyton Arts and Sports Centre



## SikaTack® Panel Structural Fixing System

For the secret fixing of Rainscreen Cladding Systems

### System Description

The SikaTack® Panel System is an adhesive system for the economic, concealed fixing of ventilated façade panels. The system consists of the elastic adhesive SikaTack® Panel, the double sided SikaTack® Panel fixing tape and pre-treatment products. With the SikaTack® Panel System, façade panels are invisibly attached to their normal substructures, without any additional mechanical fixings.

### Uses

Concealed bonded fixing of ventilated façade panels for:

- Residential and commercial buildings
- New build and renovation projects
- Interior finishing works

### Suitability

Deemed suitable for the fixing of Rainscreen panelling made from:

- Composite, Ceramic, High Pressure Laminates, High Pressure Cements, Natural Stone

### Characteristics /Advantages

- 1-part products, ready to use
- Economical for rapid fixing
- Uniform tension over the whole façade panel (no stress points)
- Resistant to weathering and ageing

- Vibration and movement absorbing fixing system
- Provides creative opportunities for façade design
- Good looking, easy to maintain façade surface
- Silicone free

### Tests/Approval / Standards

BBA Certificate 05/4218. Approval from "Deutsches Institut für Bautechnik" Berlin, Reg. No.: Z-10.8-408.

### Quality Assurance

As part of ISO 9001/EN29001, the quality of the SikaTack® Panel Adhesive System is constantly checked and monitored. Adhesion and durability testing maybe carried out upon request for varying types of cladding materials.

### Further Information

Sika Construction has a comprehensive range of Elastic Bonding systems to meet the requirements of virtually any structure and application. These solutions are backed up by a highly experienced technical team, who offer expert specification advice and support. For Project specific technical advice is available please contact our technical department on 0800 1123863 or alternatively email: [technical@uk.sika.com](mailto:technical@uk.sika.com)



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