



# AVON VALLEY COLLEGE DURRINGTON BRISE SOLEIL

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# Brise Soleil

Project: Avon Valley College Durrington  
Client: Halsall Construction  
Architect: Darnton B3 Architecture  
Product: 145 E Aerofoil with Rectangular Perimeter Frame  
Product: 300 E Aerofoil with Intergrated Walkway



## Summary

Two Point Seven Facades Ltd provided a full turn-key package. We performed the design, manufacture and installation of aluminium brise soleil system, providing solar shading to the office on the south facing elevation, reducing passive solar heat gains.

## Building Description

Avon Valley College was built to accommodate and teach a mix of students interested in an array of different subjects, this building was constructed to also welcome a new home for Sixth Form and Maths Departments providing the best Facilities for people to learn, the project was to be valued at £4.3m.

## External Works

Our 145mm extruded aluminium elliptical aerofoil, set at 165mm pitch. The blades are discreetly connected to aluminium extruded rectangular side arm, finished with aluminium box section nosing, manufactured into complete panels off-site. The solution required coordination between our engineers and client engineer to develop a system which would connect directly to metsec lined timber frame around windows. Cantilever supported using aluminium tie rods.

Our 300mm extruded aluminium elliptical aerofoil, set at 400mm pitch. The blades are discreetly connected to aluminium side arm. Brise Soleil is supported via aluminium brackets connected to steel carrying integrated weldmesh walkway. Walkway and solar shading were pre-manufactured and installed in complete prefabricated panels.

