



## CASE STUDY

## BRIGHTON & HOVE ALBION FC



A 29 million pound scheme to provide a new, specialist training facility for Brighton & Hove Albion FC has undergone the Wetherby treatment!

The new centre, erected on a green field site in Lancing, West Sussex, includes state of the art training and teaching facilities designed to meet the Premier League's Elite Player Performance Plan. The facility boasts 11 full size outdoor football pitches and a distinctive Y-shaped two-storey building, containing an indoor pitch, changing rooms, a swimming pool, a gym and offices for the club's analysts. Being the largest investment in Lancing's history this project was vitally important to the people of Lancing and Adur.

The project commenced on site in Autumn 2013 and was claimed to have created around 300 jobs, over a quarter of these offered to locals in the surrounding areas, giving a real boost to the local economy.

Completed in July 2014, the structure of the new building comprised a lightweight pre-assembled steel frame, faced with a layer of cement particle board and enveloped in a 170mm layer of mechanically fixed Wetherby Expanded Polystyrene. By incorporating such a healthy thickness of EPS insulation into this build, designers were able to significantly increase thermal and acoustic performance levels and achieve unbelievably low u-values, making it both cost effective and thermally efficient. The pre-assembled system method of construction sped up the build time and once the insulation had been fixed to the outer face, generated a weather proof shell, allowing internal trades to commence earlier, further reducing overall build time and costs.

The insulation was finally encapsulated in a basecoat and reinforcing mesh layer, over which a white WBS 1.5mm 'K' silicone render was applied to the entire face building (an area of 2000m<sup>2</sup>) which resulted in a strikingly seamless, modern façade.