



## Case study

### Brentwood Community Hospital, Brentwood

**Project:** Brentwood Community Hospital, Brentwood

**Client:** Billericay, Brentwood & Wickford Primary Care Trust

**Sika-Trocal Contractor:** CA Single Ply Ltd

**Product Specified:** Sika-Trocal Type S membrane

“Sika-Trocal continues to satisfy the demands of today’s environmentally conscious construction programmes, especially in the healthcare sector.”

**Tony Wadsworth, managing director,  
CA Single Ply Ltd.**



When it came to roofing a £25m community hospital, the Billericay, Brentwood & Wickford Primary Care Trust had a major project on their hands. The community hospital in Brentwood, Essex will serve approximately 75,000 people in the immediate area providing access to a dedicated workforce of health and social care professionals including nurses, midwives, dentists, consultant specialists, community nurses, therapists and social workers. Constructed with the environmentally sensitive materials, this hospital is a perfect example of what tomorrow's state of the art community hospitals will offer.



Sika-Trocal Licensed Contractor, CA Single Ply Ltd, installed 3,800m<sup>2</sup> of Sika-Trocal Type S Light Grey membrane on the hospital using 100mm Kingspan TR26 foil-faced insulation and a vapour barrier on to steel decking. The roofing system is held in place by the Sika-Trocal Disc System. A unique system designed to improve the speed and simplicity of installation. The significant benefit of the Sika-Trocal Disc System utilises a single fastener and plate combination to mechanically attach the thermal insulation and membrane to the roof, saving the expense and time required by conventional attachment systems.

An unusual feature of the roof was the 1.2m high upstands. These were covered with a vapour barrier, 50mm of foil-faced insulation and Sika-Trocal type S membrane to ensure that it matched the roof. CA Single Ply also installed an expansion joint across the width of the roof to allow for structural movements.

The speed and simplicity of installation have contributed to the achievement of a watertight building, essential to ensuring stability of the thermal insulation and its performance. With increased focus on carbon emissions and reduced air leakage maintaining stable thermal performance over time is becoming a critical consideration in roof system specification.

Other healthcare projects completed by Sika-Trocal and CA Single Ply including Luton Medical Centre, Broomfield Hospital and Trinity Hospital, Greenwich.

