

Rhenofol CGV waterproofing remains not out at The KIA Oval



Project Name: The KIA Oval
Location: Kennington, London
Product: FDT's Rhenofol CGV
Roofing Contractor: Ashgate Roofing Systems

Rhenofol CGV PVC single ply membrane from FDT was selected to waterproof the viewing terraces to one of Britain's most hallowed sporting venues, The KIA Oval, London.

Surrey County Cricket Club wished to upgrade its facilities and the old Vauxhall Road stand was demolished in 2005. It was replaced with a prestigious multi-tiered new build facility to include seating, hospitality areas, conferencing facilities and media suites.

As an extensive terraced roofing project measuring over 2000 m², the challenge was to select the best waterproofing membrane system which would withstand anticipated heavy footfall for many years to come. SIG Design & Technology's design team worked with Ashgate and selected FDT's Rhenofol CGV for its proven durability and ease of installation.

First, Rhenofol CGV was loose laid over the concrete slab. The remainder of the inverted roof build up comprised DOW Roofmate insulation, a filter fleece and paving supports, with concrete pavers providing the external finish for spectator footfall. Complex detailing to pillars, balustrading and concealed areas all tested the skills of the installers, Ashgate Roofing Systems.

Rhenofol CGV is made from a synthetic polymer that is formulated to resist weathering, chemical oxidation and UV radiation and to retain its physical properties over a wide range of temperatures. It has a polyester fleece backing designed for adhesive bonding but can be laid loose when ballasted, as in this application.

The terraced roofing system has endured heavy pedestrian traffic for the last seven years and the waterproofing still remains in perfect condition with no water ingress reported by the Kennington maintenance crew.

The New Vauxhall End facility was completed in time for England to famously win The Ashes in 2005, with 'Brit Insurance Oval' as it was known at the time hosting the final test. For 2012, the KIA Oval is hosting the first Test Match against South Africa during July.

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