

Choosing the best waterproofing system for the job

At SIG Design & Technology, we take the risk out of roof design, offering an independent choice of waterproofing for flat, green, zinc and copper roofs. Designs are covered by our PI insurance and we are part of SIG, a FTSE 250 company.

The waveform roof finish to Fletcher Rae Architects' Buxton bottling facility in the Peak District (right) was specified in bottle green (RAL 6007) to reflect the nearby rolling hills. The architect chose locally-manufactured IKO Armourplan Premium PVC from SIG Design & Technology for its BREEAM Excellent credentials. Some 12,000 square metres of the single-ply roofing was installed over foil-faced insulation on a metal deck. Even in a bespoke colour, the curved roof proved competitive against panel roofing systems.

Hot melt waterproofing is a fully-bonded system with no joints. It is ideal for green and inverted roofs on concrete. A good example is Riverbank House in the City of London (middle right), which was laid on zero falls. Hot melt is easily installed by SIG's network of trained and approved contractors, even where there is roof-mounted plant.

A cold, liquid-applied waterproofing system was the preferred choice for the refurbishment of this metal-decked plant room (below). Tough, highly elastic and multifunctional, it acts as sealer, underlay, vapour barrier and gutter liner all in one. It is fast curing, even at low temperatures, and adheres to almost any substrate.

Our blog, www.singleply.co.uk/blog, explores common problems in roof design and system choice. Alternatively, you can book our new RIBA CPD titled, 'A Structured Approach to Roof Specification & Design'.



Top: Fletcher Rae Architects chose IKO Armourplan Premium PVC for its Buxton bottling facility in the Peak District.
Above: Hot melt waterproofing on zero falls was installed at Riverbank House in the City of London.
Left: A cold, liquid-applied waterproofing system was specified to refurbish this metal-decked plant room.

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