

## CASE STUDY

# Hydrostop AH+ offers fast track solution at Gatwick Diamond “Blue-Light” Offices



Surrey County Council has been developing a brownfield site known as Gatwick Diamond Manor Royal which has been pre-let by South East Coast Ambulance Service.

**Project:** Gatwick Diamond Manor Royal

**Client:** Surrey County Council

**Architect:** [HGP Architects](#)

**Main contractors:** [Willmott Dixon](#)

**Roofing contractors:** [Southern Industrial Roofing](#)

**Liquid waterproofing system:** Hydrostop AH+

Hydrostop AH+ liquid waterproofing was chosen as a better alternative to built-up roofing for installation to a new build Surrey County Council office development.

The local authority has been developing a brownfield site known as Gatwick Diamond Manor

Royal which has been pre-let by South East Coast Ambulance Service and scheduled for occupation in September 2016.

Willmott Dixon's Cobham Surrey office, which enjoys a strong reputation for commercial office development, has managed the construction of the £19million four-storey development, designed by award winning architects, HGP.

NFRC member, Southern Industrial Roofing of Portsmouth was appointed by the main contractor to undertake the 1800m<sup>2</sup> roofing project.

Hydrostop AH+ is a wet-on-wet cold applied liquid waterproofing system that contains no solvents or

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isocyanates, with a very low VOC content. The Hydrostop AH+ system was applied over a concrete substrate with a bituminous vapour control layer with Eurodeck liquid roofing board and cut to falls insulation.

For the installation process, the roof was first cleaned. Then a base coat of Hydrostop AH+ was applied, into which an 110gsm layer of polyester reinforcing fleece was embedded, whereupon it was immediately saturated with a second coat of liquid. Hydrostop AH+ is totally impervious to standing water, and as it is a single component liquid, it does not require a catalyst to be mixed into the product before use. The product comes with a 25-year guarantee which can only be offered by SIG’s DATAC accredited installers.

Managing Director of Southern Industrial Roofing, Guy Rutherford said:

“Our installers like Hydrostop AH+ because it goes down wet on wet in a single pass install and there are virtually no fumes. The Hydrostop AH+ liquid roofing system is extremely quick to install. The system can be applied directly to the face of the specified insulation board and only requires the application of a 100mm wide self-adhesive jointing tape to the joints of the insulation, rather than having to apply an entire bitumen carrier membrane over the insulation as some other liquid systems do.”

SIG Design & Technology has recently added a range of warm roof systems to include Cut-To-Falls, flat board, recovery board for overlays and one for specialist acoustic applications. Fully tested, these warm roofs have achieved a fire rating of BROOF(t4).



The Hydrostop AH+ system was applied over a concrete substrate with a bituminous vapour control layer.

Surrey County Council believes this approach is a blueprint for other authorities to follow in using land assets to provide long-term revenue streams that will off-set cuts in other funding sources. As a follow-up, the council wants the Gatwick Diamond development which is close to the airport, to become a “Blue-Light” centre and is in discussions with other local emergency services on pre-letting the next phase of development.

### More information

- Visit the Hydrostop AH+ product pages: <http://bit.ly/HydrostopAHPlus>
- Learn more about the 8 steps to the #PerfectRoof: <http://www.singleply.co.uk/perfectroof/>
- To find out more about Hydrostop AH+ call SIG Design & Technology on 01509 505714 or visit [www.singleply.co.uk](http://www.singleply.co.uk)