

CASE STUDY

Cool customer



The Vue Doncaster – with roof-mounted plant hidden behind the parapet of its façade.

Project: Vue Cinema Doncaster

Client: Vue Entertainment

Architect: DG Architects Ltd

Main contractors: Key Property Solutions

Roofing contractors: AROOFA Ltd

Liquid Waterproofing System: Hydrostop AH-25

When a Vue Cinema on the outskirts of Doncaster needed a section of the asphalt flat roof refurbished as part of extension and maintenance works, a zero odour solution was required that would allow the building to stay open to the public throughout installation.

The 750m² roof, located in the centre of the cinema above a stair and lift core and projection rooms, was covered with a lot of mounted plant, equipment and trunking, making it too disruptive and noisy to take up and replace the existing asphalt.

A liquid cold-applied waterproofing product was considered ideal to avoid the need for complex edge detailing associated with single ply or bitumen products around the plant. It was a concern to the client that fumes emitted by solvents in some cold-applied liquid waterproofing systems posed a health and safety risk. As the cinema needed to stay in operation there was the potential for fumes to enter the cinema through air conditioning intakes on the roof.

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With these concerns in mind, specification manager Cameron MacAndrew, from SIG Design & Technology chose to recommend Hydrostop AH-25, a wet-on-wet cold applied liquid waterproofing system that contains no solvents or isocyanates, with a very low VOC content.

‘Hydrostop AH-25 emits no fumes and no odour, which meant the cinema could continue business as usual for the week,’ said MacAndrew; ‘Installers like AH-25 because it goes down wet on wet in a single pass install and no additional respiratory PPE needs to be worn at installation.’

For the installation process, the roof was first cleaned. Then a base coat of AH-25 was applied, into which a 110gsm layer of polyester reinforcing fleece was embedded, whereupon it was immediately saturated with a second coat of liquid. AH-25 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 25-year guarantee for SIG DATAC installers.

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).

Installing warm roofs with the Hydrostop AH25 Liquid Roofing System is now even quicker and easier!

The Hydrostop AH-25 liquid roofing system is now even quicker 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



The refurbished roof of the Doncaster Vue – all the interfaces competently dealt with using Hydrostop AH-25

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.

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More information

- Visit the Hydrostop AH-25 product pages: <http://www.singleply.co.uk/flat-roofs/hydrostop-eu-ah-25/>
- Learn more about the 8 steps to the #PerfectRoof: <http://www.singleply.co.uk/perfectroof/>
- To find out more about Hydrostop AH-25 call SIG Design & Technology on 01509 505714 or visit www.singleply.co.uk