

## State-of-the-art Facility Roof

Pharmaceutical Building, Wokingham

### SCOPE

- // Asphalt Repair
- // Insulation
- // Vapour Control Layer  
Sheeting
- // Re-waterproofing

### DETAILS

- // State-of-the-art facility roof  
deck
- // Installation of insulation at  
120mm thickness
- // Two roof decks comprising  
of 600m<sup>2</sup> re-waterproofed  
with low odour Centaur  
APA system



# Case Study // Roofing

Client | Clifford Devlin Ltd  
Role | Specialist Sub-Contractor  
George Harwood Consulting Engineers

**Before:** Pebble Ballast & Cracked Asphalt



**During:** Application of Low Odour Waterproofing System

**The scope of this refurbishment was to replace the existing insulation and waterproofing system on the roof of this state-of-the-art facility which had issues with historic leaks.**

Pinpointing the cause of the water ingress was difficult due to the inverted roof being covered in pebble ballast and plant units. These pebble ballast stones were bagged via hand and hoisted to the skips below with the existing insulation being removed from site as well.

**Before:** Ponding Issues



**After:** Light & Bright Exterior Improvements

Following on from the removal of the pebble ballast and insulation, an inspection could be conducted to the asphalt substrate which showed numerous cracks allowing water to penetrate the building. Asphalt repairs were completed the new insulation and vapour control layer could be installed to the roof deck.

Due to plant and air conditioning units being located on the roof deck, any waterproofing system used had to be low odour as to not impact the occupants inside

**During:** 120mm Thick Insulation and VCL



**After:** Fully Watertight With No Ponding Issues

the live working environment. The chosen Centaur APA Waterproofing system has proven to be low odour whilst offering better thermal values and easier to maintain for the client.

The two re-waterproofed roof decks were completed in phases within 10 weeks with minimal disruption to the occupants.

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