

Project review

# Airport House, Croydon



# Triflex

Delivering solutions together.

Constructed in 1920, Croydon was the home of London's first international Airport. On 15th August 1940 the Grade II listed building was attacked in the first major air-raid on the London area. Today, the iconic neo-classical main terminal building, with its accompanying control tower, has been converted into a modern office spaces and fascinating visitors centre.

In 2014 Cardoe Martin Burr were instructed to submit an application for Listed Building Consent in relation to the renewal of a portion of the structural roof deck which was at the end of its serviceable life. The existing pre-cast concrete units had failed as a result of their reinforcement corroding over time. Thereafter, the brief was to upgrade the thermal capability of the flat roof.

Triflex were engaged to conduct an extensive roof survey, a fundamental part of which was the core testing to establish the integrity of the existing insulation. Adhesion tests were also be carried out to ensure the existing substrate of a bituminous felt membrane was suitable for the bonding a foil faced PIR insulation board. All test results exceeded the 3.6KN/m<sup>2</sup> required for flat roofing applications.

Triflex offer a wide range of BBA and ETA certified, seamless, cold liquid applied waterproofing, surfacing and coating systems for flat roof refurbishment. All of the systems are based on the most advanced polymer chemistry to deliver both technical excellence and exceptional waterproofing integrity.

Triflex ProWarm, an engineered solution comprising a high quality insulation media, inclusive of a robust preparation layer coupled with the Triflex ProTect cold, liquid applied seamless waterproofing system, was recommended and specified. The system has the added benefit of being hydrolysis resistant and therefore suitable for zero pitch roofs and also provides a fast, cost effective solution and guaranteed long term performance.

A feature of the re-roofing works carried out by WAA Roofing Limited was the integration of all roof edge details which were completed using Triflex ProDetail in a specially manufactured white finish to blend with the exterior façade of Airport House.

Roofing works were successfully completed at the end-October.

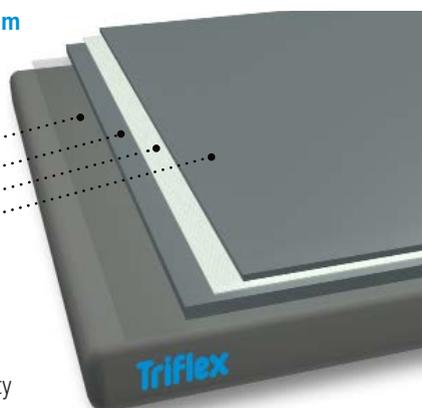


## Triflex ProTect® system

Primer (if required)

Waterproofing

(single process)



- Exceptional durability
- Totally cold applied
- Fully reinforced waterproofing technology
- Exceptionally rapid curing even at low temperatures
- Suitable for overlay of failed or failing single ply membranes
- Simple, single process application
- Outstanding track record

## Project details

- **Project:** Airport House
- **Address:** Croydon, UK
- **System:** Triflex ProWarm
- **Completed:** October 2014
- **Scope of work:** Overlay of existing mineral felt
- **Authorised Installer:** WAA Roofing Ltd

## Testimonial

"I would like to thank the Triflex team for all their knowledgeable assistance in helping us secure this contract, their area manager and field technician for their advice on their regular site visits, their logistics teams endeavours in keeping us supplied with material at sometimes very short notice and finally Triflex for producing such an excellent variety of roofing products that we are able with confidence to recommend to our clientele."

**AJ Offer | Director | WAA Roofing**