



# CASE STUDY

**Triflex**  
Delivering solutions together.

ROOF  
SHEPHERDS BUSH, WEST LONDON

# K WEST HOTEL

**Systems**  
Triflex ProTect®  
Triflex ProDetail®

**Authorised Contractor**  
London Seamless Flat Roofing Ltd.

**Scope of work**  
Overlay of bituminous membrane

# The challenge

K West is a popular cosmopolitan hotel in Shepherds Bush, West London, situated close to the shopping hotspot, Westfield London. Amongst its 219 guest rooms, its modern facilities include a spa, gym facilities, a bar and a restaurant.

The large, uniquely shaped building has a c.a. 2500m<sup>2</sup> flat asphalt roof that, in a previous effort to maintain its integrity, had been overlaid with a bituminous membrane that had reached the end of its serviceable life and was permitting the ingress of water into the building. Incidences of water ingress into certain guest rooms on the top floor had become so severe that they had been completely closed off to guests.

The hotel was at full occupancy so any disruption to guests had to be minimised; for this reason, Triflex was chosen primarily due to its exceptionally rapid cure times, which allows high priority areas to be waterproofed within short timeframes and created little disruption to guests; as testament, no complaints were made.





# The solution

Following extensive testing, the BBA and ETA certified Triflex ProTect, a cold liquid applied system based on fast curing PMMA resin technology, was specified to provide a totally waterproof overlay to the failing roof. Additionally, as the fully reinforced system is hydrolysis resistant, it will not break down in any standing or ponding water.

There was significant plant and cable trays on the roof that had to be raised and Triflex ProTect applied beneath these inaccessible areas. Subsequently, Triflex ProDetail was used to waterproof most details and Triflex ProFibre adopted to waterproof any particularly complex details.

Service walkways were introduced in a contrasting white colour, using Triflex ProTect with Anti-skid Finish, which allowed the walkways to achieve, according to HSE guidelines, a low slip potential, with a Pendulum Test Value of approximately 45.

Triflex ProTect provided a tough, durable and cost effective roof overlay to the leaking roof at K West, which, according to its BBA certificate, under normal service conditions, will provide a durable roof waterproofing with a service life in excess of 25 years.

# Triflex

Delivering solutions together.

Triflex is the leading European specialist in liquid waterproofing solutions. Our high-quality systems provide reliable and lasting waterproofing for roofs, balconies and parking decks. We are a family owned and operated company that provides individual solutions worldwide. From our production facilities based in Minden, Germany, we have been researching and developing solutions designed to protect and repair our clients structures for more than 40 years.

In the UK we pride ourselves on providing our clients with tailored solutions and exceptional levels of service & support throughout all stages of their project. From conducting in-depth site surveys, to our comprehensive testing and off-site and on-site support we ensure your project is completed on time and to the highest standards. All Triflex solutions are certified to the relevant UK & European standards and are accompanied with long term warranties to provide peace of mind.

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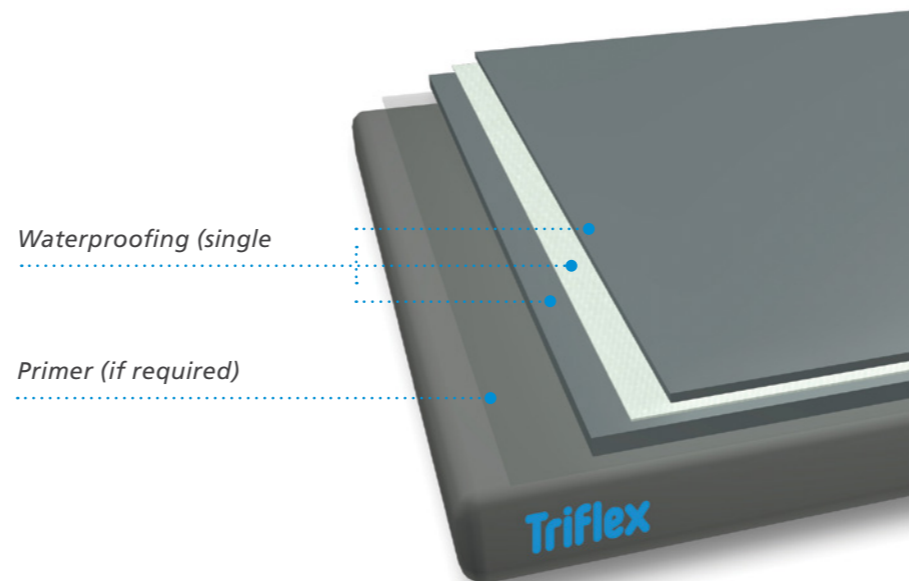
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## System benefits Triflex ProTect®

- Totally cold applied, with no risk from hot works
- Compatible with virtually all roof substrates
- Suitable for all roof build-ups and applications
- Exceptionally rapid curing / rainproof times, even at low temperatures
- Fully reinforced waterproofing technology
- Suitable for zero pitch, completely flat and pitched roofs
- Simple, single process waterproofing application
- Hydrolysis (standing and ponding water) resistant



## System overview Triflex ProDetail®

- Totally cold applied, with no risks from hot works
- Suitable for all common roof details and repairs
- Compatible with virtually all roof substrates
- Exceptionally rapid curing / rainproof times, even at low temperatures
- Fully reinforced waterproofing technology
- Designed to allow use on vertical surfaces
- Simple, single process waterproofing application
- Seamless - with no joints, seams or fixings

