

Case Study

Project/customer name:	Ashcroft Technology Academy
Year of application:	2011
Location/country:	London / UK
Building type:	Academy
Authorized contractor:	n/n
Additional project details:	Renovation project

General view:



Challenge:

- In 2011, Ashcroft Technology Academy underwent major renovation with £14 million spent on new buildings and refurbishment of existing facilities
- Prior to the renovation, parts of the Academy roof had been fitted with a single ply system, which after a short time began to deteriorate
- After only three years, the membrane applied to the gymnasium roof was showing signs of premature failure
- It was clear that the roof required a complete refurbishment and it was important to be able to undertake the work without disrupting the Academy's operations



Solution:

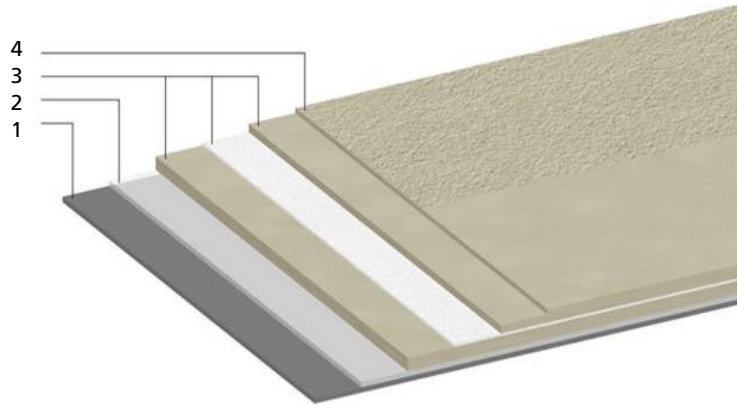
- A Triflex overlay solution was the ideal option, negating the need to remove the existing membrane which minimized the disruption
- Being compatible with virtually all substrates and having an outstanding track record in overlaying failed or failing single ply membranes, Triflex ProTect® was the system of choice to ensure a long term, completely watertight finish
- As Triflex ProTect® cures at an exceptionally rapid rate, it was possible to complete the re-roofing works by January, both on time, and having caused minimal disruption to the students and the Academy's operations.



Products used at a glance:

Triflex offers liquid PMMA* based resins (e.g. ProDetail for details or ProTect for areas):

1. Substrate
2. Primer, if necessary
3. Waterproofing layers
 - a) Triflex ProDetail (2kg / sqm)
 - b) Triflex Special Fleece
 - c) Triflex ProDetail (1 kg / sqm)
4. Finish, if wanted



* Polymethyl methacrylate

Continually improved over 40 years in order to become the market leader in Europe.



Main benefits (European Guideline ETAG 005):

- 25 years estimated working life performance
- Fast curing time and rainproof after only 30 minutes
- Application possible till humidity of 99% and withstands surface temperature after application up to 90° C
- A liquid seamless solution that fits to any structure with complex geometry
- Adherence to any surfaces (Aluminum, steel, plastic, glass, bitumen, concrete, ...)
- Solvent free, environmental friendly and with no risk to health
- High resistance to chemicals, roots and rhizome, alkali and hydrolysis
- Cold application with no flame and flame retardant
- Highly UV resistant (1000 MJ/m² = 325 days)
- Easy to impose loads after application (for particular demands as green roofs)