

Case Study

Project/customer name:	Forster Park Primary School
Year of application:	2014
Location/country:	London / UK
Building type:	School
Authorized contractor:	Single Ply Services Ltd.
Additional project details:	Overlaying existing roof substrate

General view:



Challenge:

- The school looked to improve the security and aesthetics of their facilities by implementing extensive building and refurbishment works.
- The roof was experiencing water ingress, which if allowed to continue had the potential of causing structural damage to the entire building and potential health and safety risks to the school, the pupils and staff.
- Due to strict health and safety regulations, the school prohibited the use of hot works during the roof refurbishment,



Solution:

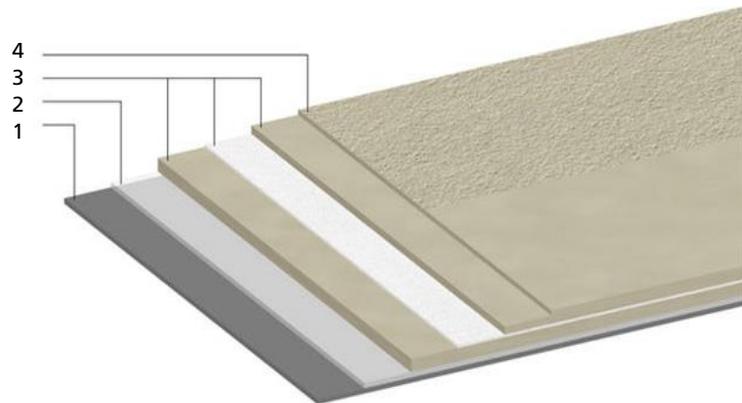
- The excellent adhesion properties and compatibility of Triflex ProProtect with a wide range of substrates meant that the existing membrane could be overlaid, minimizing the risks and costs associated with removal.
- The Triflex Approved Installer were asked to complete the works during the school's summer holiday, however due to the rapid cure times and the simple, cold application of Triflex systems, work could have also been carried out during term time.



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)