Case Study

Project/customer name:	St. Simon Stock School
Year of application:	n/n
Location/country:	Kent / UK
Building type:	School
Authorized contractor:	Concept Roofing & Cladding
Additional project details:	Waterproofing fast and secure.

General view:

CONTACT: Robert Vogel, Email: robert.vogel@triflex.com, Mobile: +66 81 924 3203

Challenge:

- Four roofs at the school were in urgent need of renovation as the existing mineral felt and asphalt waterproofing solutions were failing, allowing water to ingress.
- The previously installed mineral had been subjected to ponding water over a number of years causing the membrane to degrade and developing cracks.
- No hot works were allowed to eliminate the significant risk of fire.
- The work had to be done fast and with no disruption to the operation of the school.

Solution:

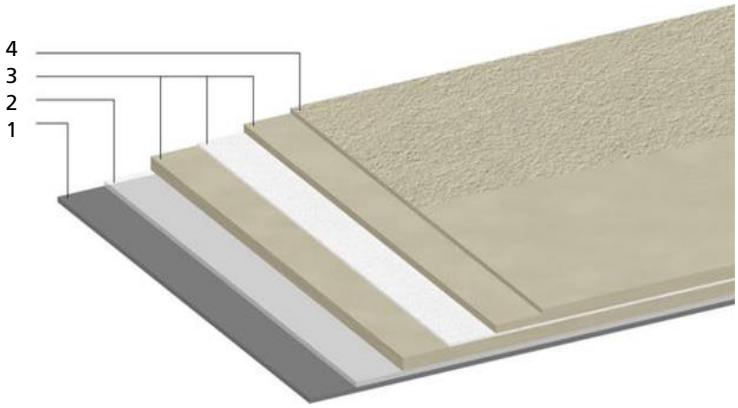
- Triflex ProTect warm roof system and Triflex ProDetail were extensively used on the project. In many cases it was possible to overlay the previous substrate, resulting in a fast installation with minimum disruption.
- Where issues with ponding water had previously been apparent, new gutters and outlets were created using cut to falls insulation to enable the water to drain away.
- Furthermore, the Triflex solution is hydrolysis resistant, so if there were to be issues with ponding water in the future it would have no adverse effect on the waterproofing.

CONTACT: Robert Vogel, Email: robert.vogel@triflex.com, Mobile: +66 81 924 3203

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)

CONTACT: Robert Vogel, Email: robert.vogel@triflex.com, Mobile: +66 81 924 3203