

Case Study

Project/customer name:	Simpson House
Year of application:	n/n
Location/country:	Croydon / UK
Building type:	Office building
Authorized contractor:	Concept Roofing & Cladding Services Ltd.
Additional project details:	Overlay of copper sheet covering

General view:



Challenge:

- The building had an existing mansard roof with a copper sheet covering; despite various repairs over time, there was increasing levels of water ingress into the building below.
- Due to its unusual design and in an effort to limit disruption to the businesses within the building, a solution was required to overlay the existing substrate.



Solution:

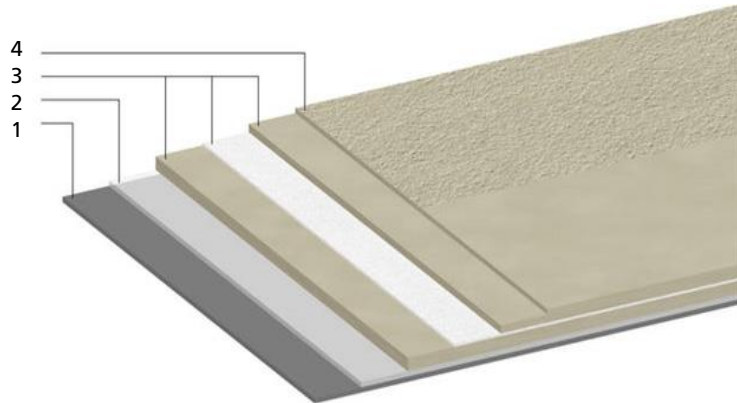
- Problems could have arisen on the project, due to the large pitched mansards and the vertical standing seams; however due to the thixotropic formulation of the Triflex ProDetail used on these areas, no problems were encountered.
- Not only was the roof made completely watertight, but the choice of Triflex ProTect resulted in the overall appearance and finish of the building being greatly improved.



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)