

Case Study

Project/customer name:	Apple Data Center
Year of application:	2019/2020
Location/country:	Wulanchabu / China
Building type:	Office Building
Authorized contractor:	Shandong Sida
Additional project details:	Waterproofing for roof and wall detail

General view:



Challenge:

- On the wide roof area were numerous problems with water ingress on spots where beams were connected.
- A solution was required urgently in order not to disturb the working schedule of the offices.



Solution:

- Triflex ProDetail was the perfect solution, because it is applied as a liquid and therefore fits easily to any complex shapes.
- Due to the fast curing time of PMMA products, the refurbishment could be completed very fast and to the full satisfaction of the customer.

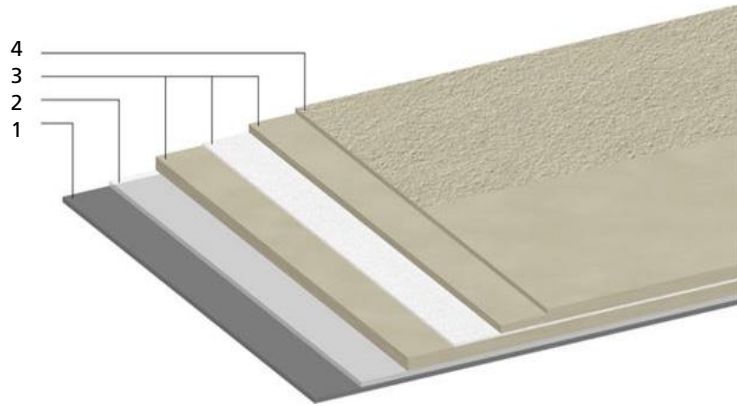


Products used at a glance:

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)