

## Case Study

Project/customer name:	Finally solution found for flat roof
Year of application:	2017
Location/country:	Shenzhen / China
Building type:	House
Authorized contractor:	Shenzhen Chengshiyouzhu Co.,Ltd.
Additional project details:	Previous repairs failed totally and let the roof in a terrible condition

General view:



## Challenge:

- The roof experienced water ingress problems for years.
- Many repairs did not provide long-lasting success and finally the roof was in terrible condition and water ingress was rising to unacceptable levels.
- Too many repair layers that accumulated during the years could not more be overlaid, so the only solution was to remove the substrates down to the concrete and apply a functioning waterproofing solution on it.



## Solution:

- The substrates on top of the concrete were removed and the surface was primed for a solution with Triflex ProTect for the areas and Triflex ProDetail for edges and details.
- After waterproofing was completed, the water ingress was stopped and the solution was guaranteed for the next 25 years.
- After waterproofing with Triflex, there is no limitation in applying loads on the roof. In this case, the customer created a wonderful green roof.



## 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/m<sup>2</sup> = 325 days)
- Easy to impose loads after application (for particular demands as green roofs)