

## Case Study

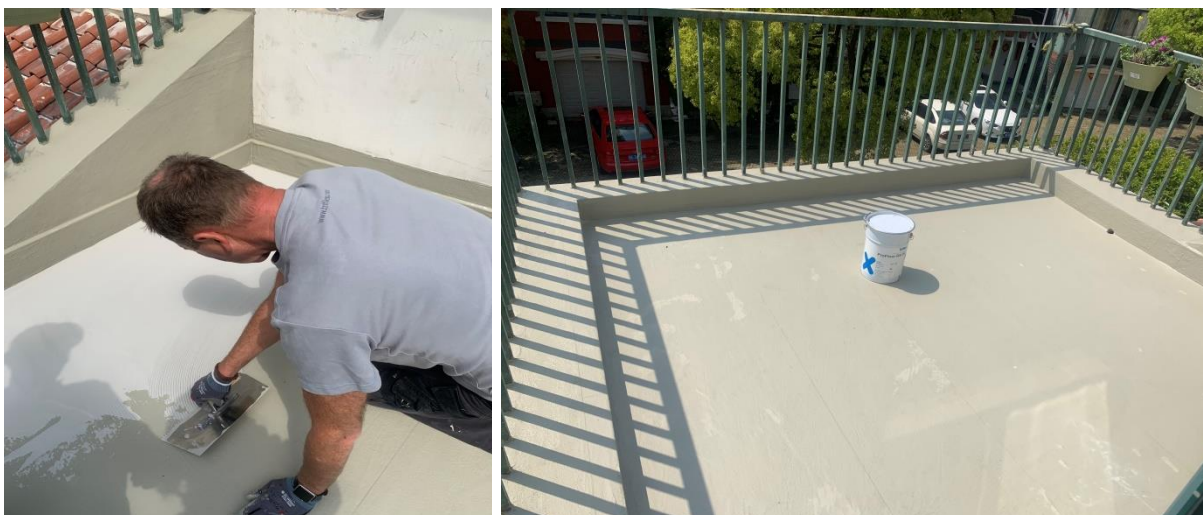
Project/customer name:	Sunshine European Villa
Year of application:	2019
Location/country:	Shanghai / China
Building type:	Private house
Authorized contractor:	Shanghai Lanyan Co.,Ltd
Additional project details:	Waterproofing and visual improvement of balcony

General view:



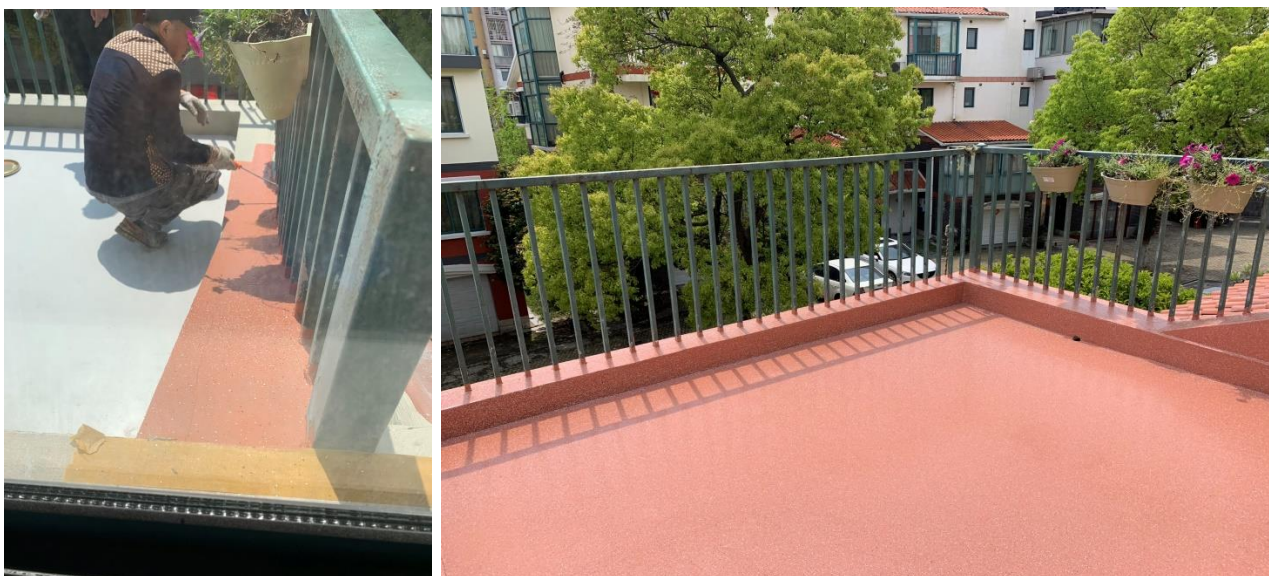
## Challenge:

- The house owner faced severe problems with water ingress from the balcony. The leaking was caused by the settlement of structural layer under the tiles.
- After several repairs, which only showed short-term effects, he was looking for a waterproofing solution that works for many years to come.
- At the same time, the color of the balcony should be changed to terracotta color.



## Solution:

- Triflex BTS-P system: Triflex waterproof system + Profloor + Finish 205 was chosen.
- Due to the fast curing time of these PMMA products, the area could be cross-coated with Triflex Cryl Finish in terracotta color shortly after waterproofing.
- Now, there are no more problems with water leaking and the balcony shows a much nicer appearance.



## 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



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## 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)