

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 a Opal blue 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 Opal blue 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



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)