

Case Study

Project/customer name:	Schoener Brunnen
Year of application:	2016
Location/country:	Nuremberg / Germany
Building type:	Historical building
Authorized contractor:	Michael Märkl, Märkl GmbH
Additional project details:	Refurbishment without any structural changes

General view:



Challenge:

- Due to the dampened fountain levels, a new sealing of surfaces and details should also be part of an ongoing renovation.
- The requirement was permanent protection against moisture, the secure sealing of numerous details and a weather-resistant, robust surface.
- The system had to adhere to shell limestone, sandstone and sheet metal and the renovation had to be carried out in line with the monument and without any structural changes.



Solution:

- After sanding the substrate and leveling out any unevenness, the surface was primed with Triflex Ceryl Primer.
- The sealing of connections and complicated constructions was done with Triflex ProDetail, the sealing of filigree and difficult to access areas with Triflex ProFibre.
- In the end, the area was sealed with Triflex ProTerra and the surface with Triflex Ceryl Finish.

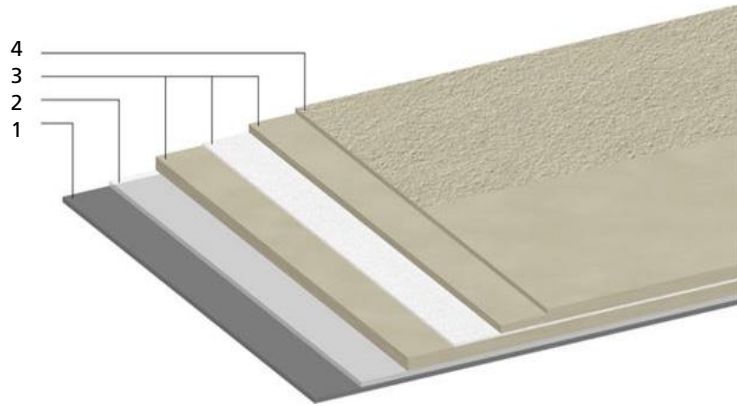


Products used at a glance:

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/m² = 325 days)
- Easy to impose loads after application (for particular demands as green roofs)