

## 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.

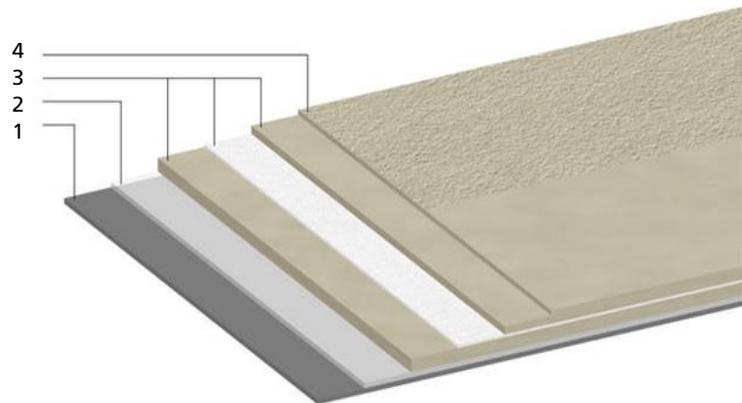


## Products used at a glance:

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