

## Case Study

Project/customer name:	Refurbishment of planetarium
Year of application:	2011
Location/country:	Hamburg / Germany
Building type:	Planetarium
Authorized contractor:	Bauschutz GmbH & Co. KG
Additional project details:	Reliable sealing of difficult upstands and overflows

General view:



## Challenge:

- The task was a long-term, reliable sealing of the upstands and overflows of a cascade-shaped pool system in compliance with the provisions on monument protection.
- The solution had to ensure a high mechanical resilience for public traffic.
- The application of the system had to be done on different surfaces and with color matching to the sandstone material.



## Solution:

- Triflex ProDetail enabled seamless sealing of the pool edge, even at upstands and overflows.
- The system is characterized by very good adhesion on concrete and natural stone substrates.
- Triflex ProDetail is hydrolysis-resistant, guarantees flexible and dynamic crack-bridging abilities and is mechanically highly resilient.
- Finally, Triflex Cryl Finish 205 allowed the right choice of color design.

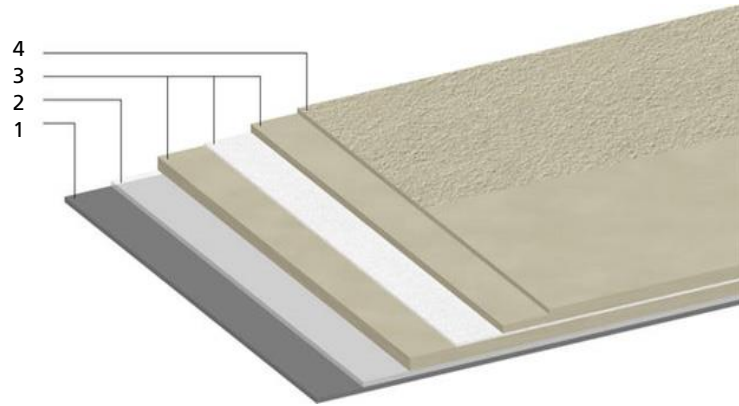


## Products used at a glance:

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)