Case Study

Project/customer name:	Castle Augustusburg
Year of application:	2014
Location/country:	Brühl / Germany
Building type:	Castle
Authorized contractor:	Michael Mohr Dachbau
Additional project details:	Balcony sealing of a castle

General view:

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Challenge:

- Priority one was to preserve the historical character of the castle.
- Processing in sections and suitability for mineral coverings on the system was imperative.
- Only a certified sealing system was considered.

Solution:

- TriFlex ProTerra enabled a homogeneous sealing of all details as well as easy connection to preparatory work after construction-related interruptions.
- The system is designed to serve as a secure seal under overlaid flooring.
- Triflex products have numerous certificates according to the European standard ETAG 005, which confirm working life, resistance to hydrolysis, UV, etc.

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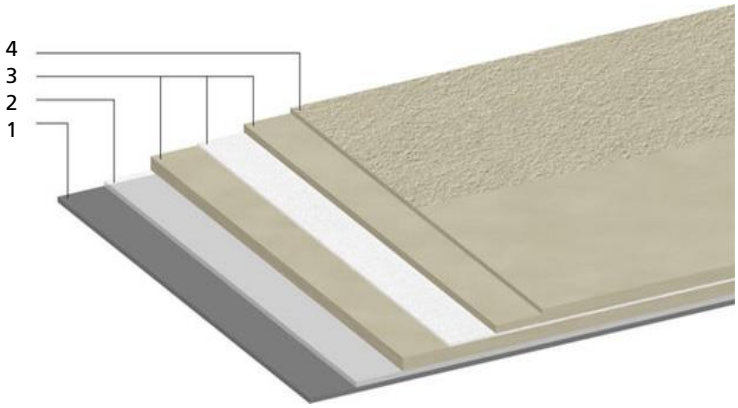
Products used at a glance:

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)

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