Case Study

Project/customer name:	Fire water pond
Year of application:	2014
Location/country:	Guastalla / Italy
Building type:	Water pond
Authorized contractor:	BAMS (Poviglio) and Imprese Edili Arici Doro (Borno)
Additional project details:	Solution not affected by standing water

General view:

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Challenge:

- The basin was sealed with a cement product with an epoxy varnish coating, at which damaged areas led to the leaking of considerable amounts of water.
- The solution had to be resistant to standing water after application.
- The application had to be applied to the horizontal and vertical pool surface.
- The solution had to be overlaid onto the existing substrate in order to save demolition costs and time.



Solution:

- Triflex ProTect was chosen for the surface sealing, Triflex ProDetail for the details and Triflex Cryl Finish 205 in RAL 7012 for the finish.
- The PMMA based products are resistant to alkali and hydrolysis and are therefore not affected by standing water.
- The products are applied cold liquid and adhere to vertical surfaces without sliding off.
- The solution could be placed directly on the old surface.

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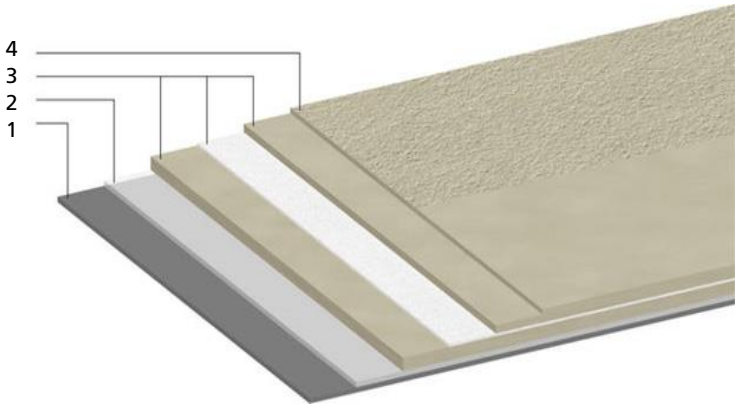
Products used at a glance:

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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