

Case Study

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| Project/customer name: | Drinking water basin |
| Year of application: | n/n |
| Location/country: | St. Koloman / AT |
| Building type: | Drinking water basin |
| Authorized contractor: | Schorn GmbH |
| Additional project details: | The fastest possible repair was required. |

General view:



Challenge:

- The bitumen waterproofing of the water basin had become leaky, so that cracks had formed in the concrete ceiling. As a result, dirty surface water penetrated and contaminated the drinking water.
- A new waterproofing was required that also withstands root and rhizome formation and protects the basin in the long term.



Solution:

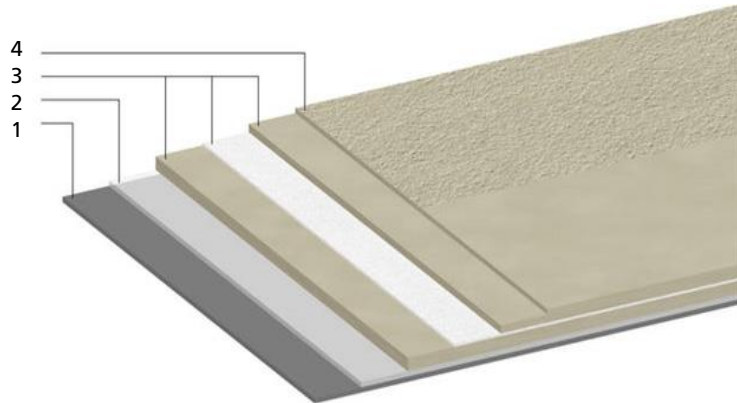
- The bitumen waterproofing was removed by sandblasting and unevenness was repaired with Triflex Cryl Paste. Details were sealed with Triflex ProDetail and the surfaces with Triflex ProTect.
- The advantages of this solution were: Long-term sealing, root and rhizome resistance, usable at low temperatures and very important, a very quick repair time.



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)