

Case Study

Project/customer name:	Pergamon Museum
Year of application:	2004
Location/country:	Berlin / Germany
Building type:	Museum
Authorized contractor:	n/n
Additional project details:	Sealing roof with mixed substrates and tricky details

General view:



Challenge:

- The task was to seal the roof that consists of a type steel beam structure with toughened glass plates.
- The steel became fragile because of rusting of the metal construction.
- The glass roof inclination varied between 15 to 30 degrees.



Solution:

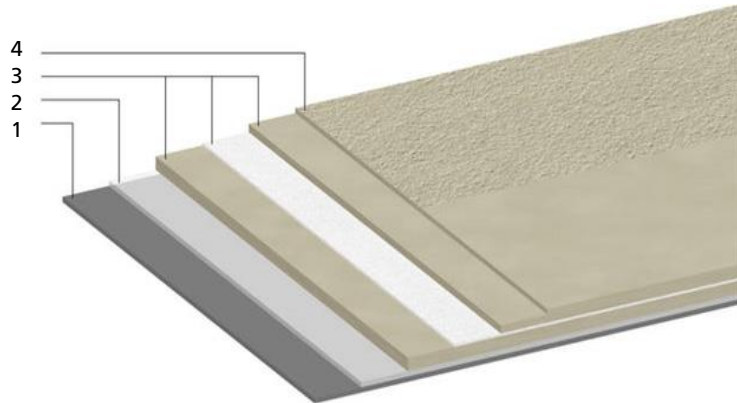
- The choice was ProDetail, because it does not slide on vertical surfaces.
- The liquid application connects with glass and Metal-Profiles without joint.



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)