

Case Study

Project/customer name:	Metal roof Industry Hall
Year of application:	2014
Location/country:	Pirmasens / Germany
Building type:	Industry hall
Authorized contractor:	Gebrüder Folz GmbH
Additional project details:	Metal roof renovation with attractive look

General view:



Challenge:

- Hail damage appeared on the trapezoidal sheet, the existing coating came off in some places and the metal rusted heavily.
- Fast renovation without complete demolition was required, i.e. adhesion to the existing metal surface.
- The customer also requested an attractive look in the shade of gray and white.



Solution:

- In preparation, a high-pressure cleaning of the substrate was carried out and the surfaces were primed with Triflex Metal Primer in a spray application.
- The details and connections were sealed with Triflex ProDetail, which is rainproof just 30 minutes after application and thus ensures quick processing. It adheres perfectly to the surface.
- Finally, all surfaces were coated with Triflex Metal Coat in the desired color and also by spray application.



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)