

Case Study

Project/customer name:	Klimahaus Bremerhaven
Year of application:	2018
Location/country:	Bremerhaven / Germany
Building type:	Exhibition Center
Authorized contractor:	DADEGO Dachdecker-Genossenschaft Bremen eG, Bremen
Additional project details:	Refurbishment of a 360 ° gutter

General view:



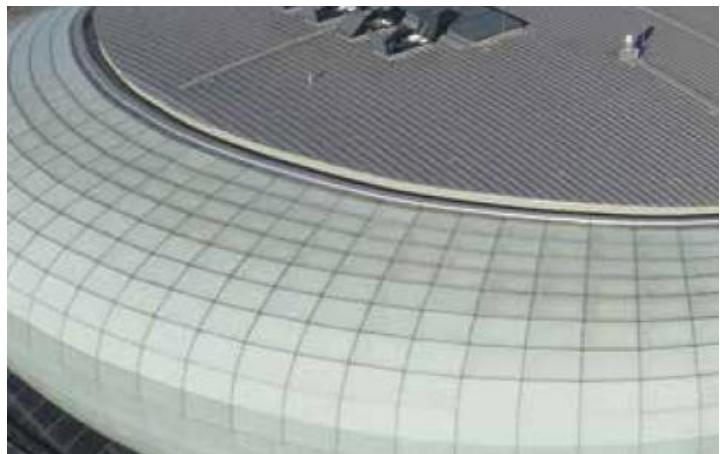
Challenge:

- The all-round rain gutter created moisture behind the roof skin and damaged the insulation. Therefore, a new waterproofing was necessary.
- It required a seamless sealing of complex details such as expansion joints, hoists and drainage points and had to be applied on the existing aluminum surface.
- The solution had to be highly resistant to chemical and thermal influences (saline air / water splashes).



Solution:

- The product of choice was Triflex ProDetail, because it allows safe sealing of complicated details and vertical surfaces
- It adheres very well to various substrates like aluminum, therefore no demolition of the old covering is necessary
- Finally, it is highly elastic and dynamic crack-bridging, chemical and hydrolysis resistant as well as weather-resistant (UV, etc.)



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)