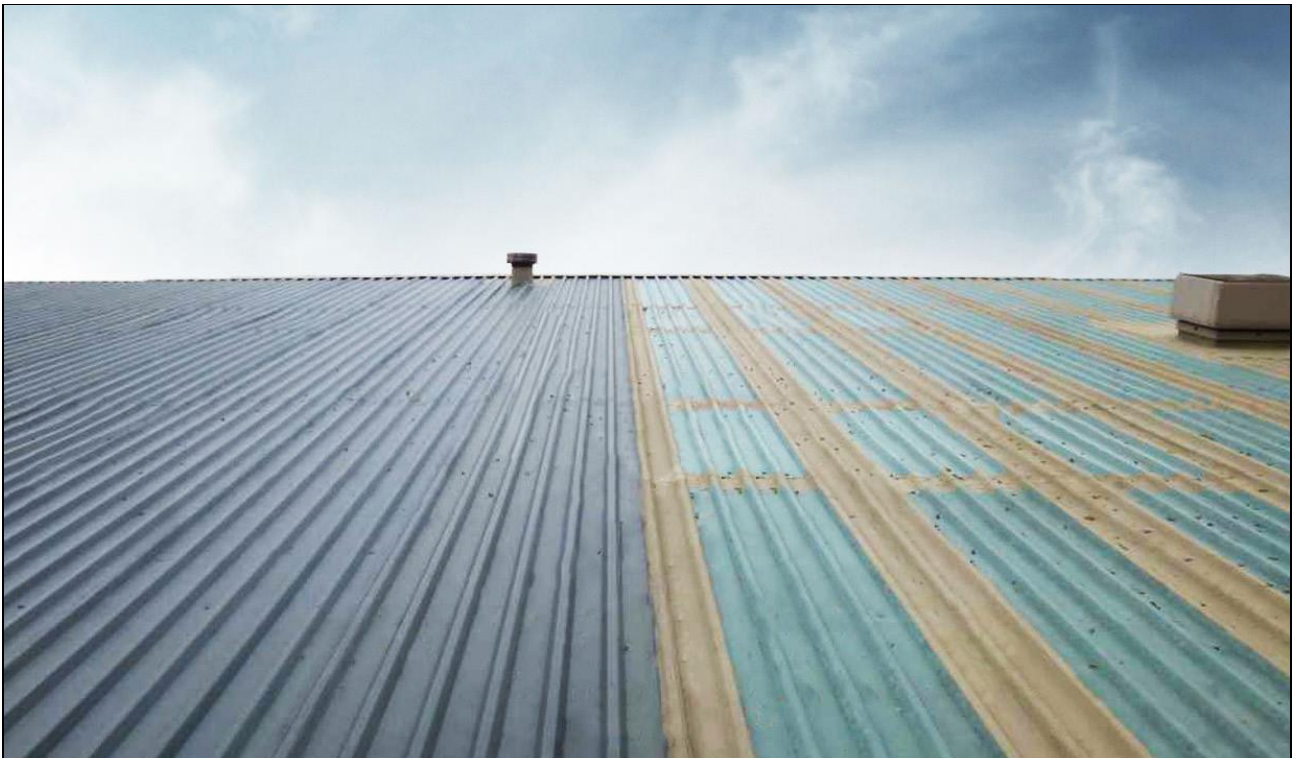


## Case Study

Project/customer name:	Parcelforce
Year of application:	2018
Location/country:	Ransomes Europark, Ipswich / UK
Building type:	Commercial building
Authorized contractor:	Sureweld and Roof Ltd.
Additional project details:	Waterproofing of metal roof with many details

General view:



## Challenge:

- The current roof featured corrugated metal sheets which were coated by a plastic (PVC) plasticol. Such coatings on metal sheets degrade after long-term exposure to UV light and eventually become thin and brittle, developing hairline splits and cracks which can allow rainwater to attack the exposed metal.
- Early stages of delamination and corrosion were apparent on the roof and if left unresolved, could spread and allow water to ingress. Metal gutters, roof lights and other detailed areas also required treatment to prevent water ingress.



## Solution:

- Triflex ProDetail was specified to provide the reinforced waterproofing solution to laps, details and gutters, with Triflex Cryl Finish 205 as the coating to the entire roof area. Both products were used with Triflex Metal Primer.
- Triflex ProDetail made easy work of all metal laps, joints, roof lights, penetrations and gutters, ensuring that a tight seal to and around the detailed areas was achieved. By lining the gutter with hydrolysis resistant Triflex ProDetail, the system ensures that if any standing water is present, it will not degrade the waterproofing.



## 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/m<sup>2</sup> = 325 days)
- Easy to impose loads after application (for particular demands as green roofs)