

## Case Study

Project/customer name:	Sainsbury's distribution center
Year of application:	2014
Location/country:	Haydock / UK
Building type:	Distribution building
Authorized contractor:	Avonside Group T/A Dodds Roofing & Solar
Additional project details:	Waterproofing apertures in metal profile roof deck

General view:



## Challenge:

- The largest Sainsbury's Distribution Centre in the North West, located in Haydock, St Helens, serves 96 Sainsbury's stores from as far as Stoke to the Scottish Borders.
- The Senior Management Team at Sainsbury's wanted to introduce more natural light internally into this vast distribution center and so installed some 40 new roof lights.
- Cutting an aperture in to an existing metal profile roof deck can create unforeseen leaking problems and this project was no exception.



## Solution:

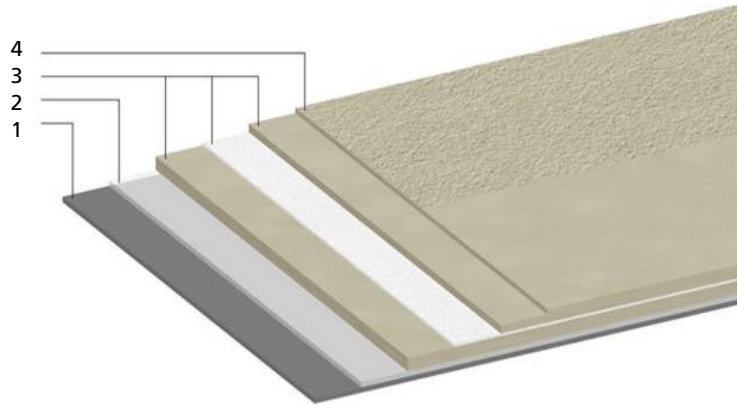
- Triflex ProDetail was specified to fully waterproof the kerb upstands to the roof lights and links to the profiled metal decking to provide a fully encapsulated detail.
- The extensive knowledge of Triflex Technical Services in dealing with this type of roof and roof detail ensured any problems with potential water ingress were managed quickly and effectively.
- The roof lights are fully waterproofed and serviceable, with a warranted, puncture resistant, BBA and ETA certified system.



## 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

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## 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)