

Case Study

Project/customer name:	Asda Store
Year of application:	2015
Location/country:	Liverpool / UK
Building type:	Carpark
Authorized contractor:	Makers Construction Limited
Additional project details:	Car park refurbishment

General view:



Challenge:

- The carpark was showing significant signs of deterioration and was in need of urgent renovation. The existing asphalt showed numerous defects including cracks, blisters, wheel indentations and ruckling.
- The current condition was not only allowing water to penetrate the structure in some cases but was also posing a serious health and safety risk to car park users. The asphalt had also lost its crimp in high wear areas, resulting in a smooth surface with poor anti-slip properties in wet conditions.
- Finally, the entire structure should get an aesthetically pleasing finish and the carpark had to remain operational during refurbishment.



Solution:

- Triflex DeckFloor system was identified as the best solution. The heavy duty system incorporates a BBA and ETA certified reinforced waterproofing membrane for high risks areas and details, in combination with an exceptionally durable, waterproof wearing layer.
- Triflex DeckFloor is exceptionally fast curing which means that the car park could be quickly re-opened to traffic, and the works were also completed in phases so that the customers had available parking at all times.

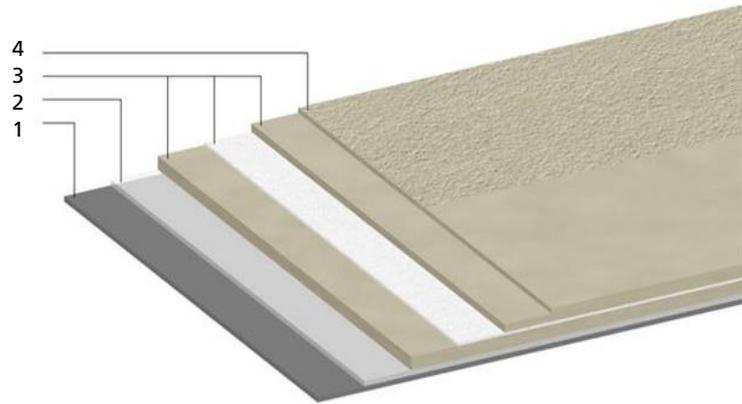


Products used at a glance:

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)