

Case Study

Project/customer name:	Square Shopping Center
Year of application:	2019
Location/country:	Dublin / Ireland
Building type:	Parking deck
Authorized contractor:	Advanced Flooring Systems
Additional project details:	Triflex DeckFloor instead of asphalt

General view:



Challenge:

- At the parking deck, there was a project to replace the failed 4,200m² system with a 30mm thick asphalt system. The existing system had caused problems for many years, it was delaminating, cracked and badly worn.
- However, it came out that the asphalt would need to be applied at 50 mm thick, not 30 mm and the weight of the asphalt would make a significant impact on the structure and would cause jointing problems at doorways.
- Also hot works would be required and would need to be conducted in close proximity to the public and therefore a license for use would need to be obtained.



Solution:

- In this case the existing coating was in such poor condition that adhering to it would be pointless, and therefore, it required removal of the existing liquid system before installation.
- Triflex DeckFloor is a heavy duty, flexible system and was specified to provide a reliable solution with no hot works required.
- Finally, Triflex Preco Line 300 and Triflex Cold Plastic were installed to provide robust and lasting demarcation for the bay lines and arrows.

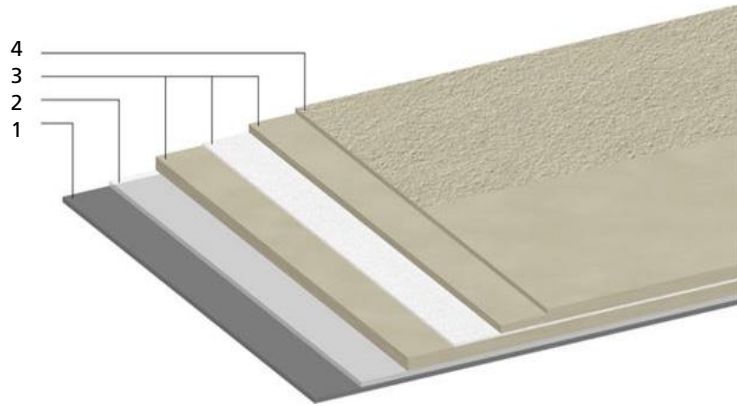


Products used at a glance:

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)