

## Case Study

|                             |   |
|-----------------------------|---|
| Project/customer name:      | Honeywell Technologies  |
| Year of application:        | 2019  |
| Location/country:           | Bracknell / UK  |
| Building type:              | Car park  |
| Authorized contractor:      | Rateavon, Weatherproofing Advisors  |
| Additional project details: | Failed asphalt car park overlay using PMMA liquid waterproofing and surfacing |

General view:



## Challenge:

- The staff car park had been leaking for some time and staff had reported damage to their vehicles when parked beneath certain areas of the 2 story structure.
- During a survey the Triflex team found that the asphalt had become cracked and split in numerous locations, particularly at day joints.
- Triflex materials should be used for repairs in critical areas as well as a full car park overlay using Triflex DeckFloor to provide a lasting waterproofing and surfacing solution. The work had to be completed fast, because the car park had to remain open.



## Solution:

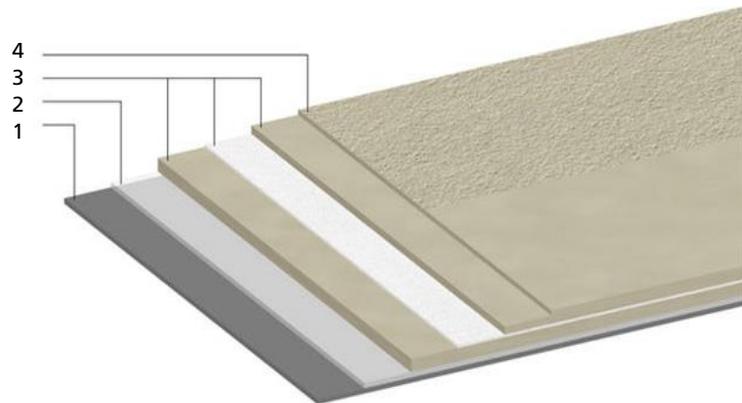
- Triflex FlexFiller was specified for repairing the existing splits and cracks in the asphalt as well as the existing soft filled joints.
- Then Triflex DeckFloor and Triflex ProDetail were used for waterproofing. Triflex DeckFloor, a heavy duty, flexible system is designed for car park decks and ramps above parking and internal decks and ramps over occupied spaces. Finally, the color coating could be applied.
- Due to the rapid curing time of the PMMA products, car park users faced only minor interruptions.



## 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)