

## Case Study

Project/customer name:	Exchange Shopping Center
Year of application:	2019
Location/country:	Ilford / UK
Building type:	Shopping center
Authorized contractor:	Metropolitan Contracts
Additional project details:	Waterproofing cupolas with matching color finish

General view:



## Challenge:

- The cupola had previously been waterproofed with a GRP waterproofing system that was over a lift shaft and over the years water ingress had become an issue that could cause damage to the lift machinery.
- It was vital that the color of the resin solution matched the other cupola in order to preserve the iconic look of the building.
- The access and working space around the domes could prove to be a challenge.



## Solution:

- After conducting all tests and ensuring that a matching color could be provided, Triflex ProDetail with optional color finish (Triflex Cryl Finish) was specified to provide the waterproofing solution.
- Once the Triflex ProDetail waterproofing was fully cured, the dome was taped in vertical circular segments using a 3mm tape to match the original pattern, the colored finish was applied and the tape removed prior to the finish curing.
- Triflex systems are cold liquid applied and do not require the use of gas torches or hot melt boilers. This meant less equipment and space would be required around the domes.

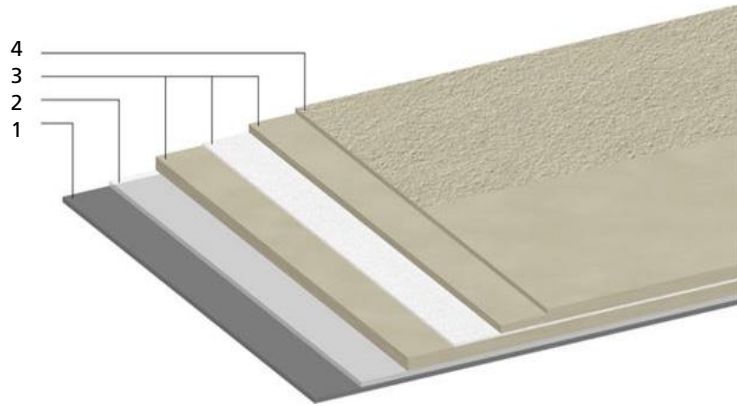


## Products used at a glance:

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)