

## Case Study

Project/customer name:	John F. Kennedy School
Year of application:	2018
Location/country:	London / UK
Building type:	School
Authorized contractor:	Weatherproofing Advisors Ltd.
Additional project details:	Avoiding hot works and meeting tough deadlines

General view:



## Challenge:

- The roof had previously been waterproofed using a felt waterproofing system, which over time had developed blisters and had delaminated at lap joints. This had allowed water to enter the classrooms below.
- Felt waterproofing systems also require the use of hot works for installation, which can pose a greater risk to the building and its occupants and therefore was excluded as possible alternative.
- The school outlined that the solution must be as cost effective as possible and would need to be completed within a 2-week time frame.



## Solution:

- Prior to installation, it was necessary to cut out all blisters, level and repair the areas with Triflex Ceryl Paste.
- Triflex ProTect and Triflex ProDetail were specified providing a tough, durable and seamless waterproofing solution to the entire roof area and details, including pipes and penetrations. Both systems are ideal for overlay, and allowing the system to be installed quickly. This removes the costs of removal and minimizes waste, providing significant cost savings.
- Being cold applied, rapid curing and installed by expert authorized installers allowed the installation to be completed well within the required time frame.



## 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)