

The Triflex logo is rendered in a bold, blue, sans-serif font.

Delivering solutions together.

PAVILION NURSERY

WEMBLEY, LONDON

Roof waterproofing

A wide-angle photograph of a flat roof under construction. The roof surface is covered in a light blue waterproofing membrane. Scaffolding is visible around the perimeter of the roof. In the background, there are green trees and a clear blue sky. A large, stylized blue 'X' graphic is overlaid on the left side of the image.

Triflex systems:
Triflex ProTect[®]

ROOFS | ROOF DETAILS | REPAIRS



The challenge

PAVILION NURSERY

WEMBLEY

The Pavilion Nursery, which opened in 2005, is a small privately owned day nursery in the heart of Wembley, London and caters for children aged 0-5 years.

In June 2016, the nursery discovered that the flat roof which had originally been waterproofed with a single ply membrane, was failing, particularly at the joints and laps. This failure was allowing water to track down into the internal structure of the building, causing both damage to suspended ceiling panels and compromising the health and safety of the building and its occupants. A number of localised patch repairs had been carried out over the years, but they had been unsuccessful in stopping the ingress of water, and so the decision was taken to refurbish the entire roof.

It was vital that the refurbishment was completed quickly and with minimal disruption to the children as works needed to be carried out whilst the nursery remained operational. This meant that stripping the existing single ply membrane was not an option, making an overlay solution ideal.





The solution

TRIFLEX PROTECT®

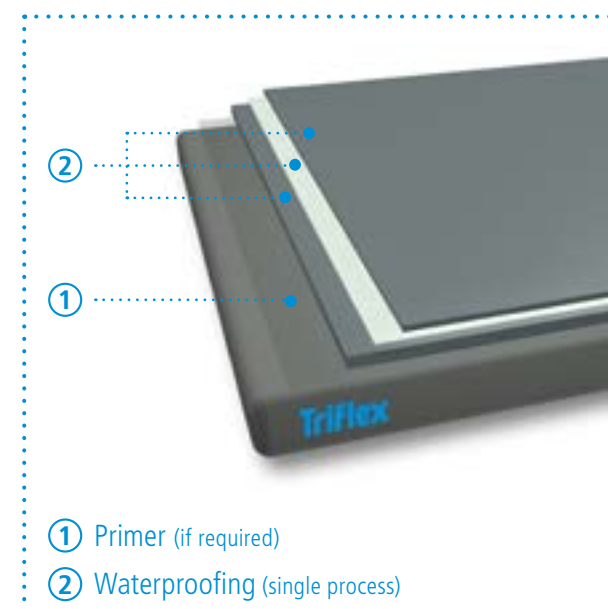
Prior to work commencing, the Triflex Technical Team attended site to carry out peel tests to determine if a primer was required and what preparation was needed to achieve satisfactory adhesion to the existing substrate. The test concluded that the single ply membrane could be successfully overlaid without the need for a primer using the **Triflex ProTect®** system.

Not only does **Triflex ProTect®** have exceptional substrate compatibility, including the ability to overlay almost all single ply membranes without the need of a primer, it is also totally cold applied, solvent and isocyanate free. This meant the risks associated with hot works were eliminated and the refurbishment could be completed safely whilst the nursery remained open.

The fully reinforced, durable solution is also installed in a simple, single process application and fully cured in 60 minutes. This coupled with the ability to overlay rather than strip the existing single ply membrane meant that weather windows could be maximised and work was completed efficiently within a short period of time.

System benefits

- Totally cold applied, with no risk from hot works
- Compatible with virtually all roof substrates
- Suitable for almost all build-ups including failing single ply
- Exceptionally rapid curing / rainproof times, even at low temperatures
- Suitable for zero pitch, completely flat and pitched roofs
- Simple, single process waterproofing application
- Hydrolysis (standing and ponding water) resistant
- Fully certified to the highest UK and European standards
- Long term warranty



① Primer (if required)

② Waterproofing (single process)



PROJECT INFORMATION

Project: Pavilion Nursery
Location: Wembley, London
Area: 300m²
System: Triflex ProTect[®]
Contractor: Advanced Roofing Solutions Ltd



Europe's leading specialist manufacturer of cold liquid applied waterproofing, surfacing and protection systems.

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