



## Primary School Roof

Marjorie McClure School, Chistlehurst

### SCOPE

- // Localised Repairs
- // Liquid-Applied Re-Waterproofing
- // Edge Trim Details

### DETAILS

- // School first floor roof
- // Re-waterproofing to existing 900m<sup>2</sup> mineral felt waterproofing system
- // Replacement GRP edge trim details

# Case Study // Roofing

Client | Knightsbridge Property Services  
Role | Specialist Sub-Contractor

**Before:** Failed Mineral Felt Waterproofing



**After:** Cold, Liquid-Applied Application

**The scope of this refurbishment was re-waterproof the roof of this school which had historic leaks and issues with outgassing blisters.**

The existing mineral felt waterproofing was badly damaged with numerous cracks running throughout it, showing it had come to the end of its serviceable life and allowing water ingress into the structure below. Countless patch repairs were previously completed to the original waterproofing system all of which had failed once again allowing water

**Before:** Numerous Cracks in the Mineral Felt



**After:** 100% Seamless

ingress.

Following localised repairs to the outgassing blisters, Westwood's Wecryl 230 fully reinforced waterproofing system was applied to 900m<sup>2</sup>, overlaying the existing mineral felt system. The new liquid-applied seamless system encapsulated the cracks resolving the water ingress and leaving the structure watertight.

Due to the time of year this project took place, we had a challenge with the temperatures being too low and rain-fall.

**Before:** Failed Patch Repairs



**After:** Watertight Overlay of School Roof

Taking this into account, works were phased according to the weather and the waterproofing system was chosen due to its ability to cure even during lower temperatures.

Included in our package of works was the removal and replacement of the edge trim detail. All our operatives were harnessed into a man-safe fall-arrest system for safe working at height.

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