



IMPERMITEK
Advanced Seamless Technologies

SCHOOL GUTTER REFURBISHMENT

Case Study

System Installed:

IR-26 Polymer Resin

Project Size:

3,200 Square Feet

Sector:

Education





INTRODUCTION

An education facility required a reliable refurbishment solution after ageing gutters and parapet wall cappings began to show signs of waterproofing failure. Persistent leaks and ineffective localized repairs highlighted the need for a durable system that could be installed over the existing construction while minimizing disruption to the occupied building.

CHALLENGES

A site assessment identified an aged single-ply waterproofing membrane with multiple reported leaks and previous localized repairs that had not provided a lasting solution. The existing build-up incorporated a galvanized steel deck with a coated finish. The gutters and parapet cappings remained serviceable as a substrate, but required a high-performance waterproofing overlay to restore long-term weather protection and reduce the risk of further water ingress.



THE IMPERMITEK SOLUTION

Based on the site conditions, an Impermitek specification incorporating the IR-26 waterproofing system was developed for the gutters and parapet cappings. The system was selected for its flexibility, rapid curing characteristics and suitability for areas where standing water may occur. Existing falls and drainage were retained, allowing the refurbishment to make effective use of the existing construction rather than requiring a full strip-out.

The existing waterproofing was retained and made good where required to create a sound, smooth substrate. All installation areas were thoroughly cleaned to remove dirt and debris before application. Relevant surfaces, including the existing single-ply membrane, were prepared with an appropriate Impermitek primer. Joints, bolt heads and other vulnerable details were reinforced using Impermitek detailing materials, while pre-formed Impermitek edge trims and new flashings were installed where required to protect exposed insulation and perimeter details.





The IR-26 waterproofing system was applied in accordance with the Impermitek project specification. The first reinforced coat was installed over the prepared substrate and allowed to cure before application of the final coat. The system's rapid-cure properties supported an efficient installation sequence while delivering a seamless, durable waterproofing finish across the refurbished areas.

The refurbishment was completed efficiently and in line with the client's performance, programme and budget requirements. By retaining the existing substrate where suitable and applying the Impermitek IR-26 system as a seamless overlay, the project restored reliable waterproofing to the gutters and parapet cappings with minimal disruption. The completed installation provides a robust, long-term solution designed to protect the building from future water ingress.