

# CASE STUDY

## Roof Refurbishment

# MAKERS

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### PROJECT

ROYAL MAIL ROOF  
COATING

### STRUCTURE

PITCHED ROOF

### CLIENT

ROYAL MAIL / VINCI

### CONTRACT



Set in the beautiful City of Truro and overlooking the Truro River, the roof at the Royal Mail Centre was in desperate need of attention. The pitched metal roof had suffered from years of harsh weather conditions and nesting seagulls.

Makers Construction were engaged to carry out a full roof refurbishment that included removal of the existing/failing cut edge corrosion system, preparation and repair of the roof sheets, coating of rooflights, coatings to the gutters and fabrication and installation of new bespoke aluminium downpipes.

Makers selected Liquasil Metalseal for this refurbishment, installation includes marine-grade cut edge corrosion treatment and unique, hardened silicone top coat to provide a robust protective finish to all metal profiled roof.

The roof was carefully jet washed as not to exacerbate the existing leaks in to the mail centre. Once cleaned Makers operatives identified corroded sheet areas, these were repaired using sections of profiled metal sheets. The existing failed cut edge corrosion system was then removed and the rust grinded back to good metal. The sheet laps were then sealed using 150mm butyl tape. Once all the prep was complete the system was applied, due to the high winds and proximity to other buildings and vehicles the coating was applied by roller to negate the issues of over spray.



Before



Before

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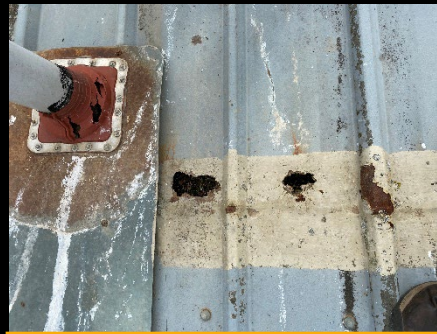
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Before



Before



During

The gutters were treated using Liquasil Gutterseal System, the Liquasil liquid gutter liner system forms a completely seamless and highly flexible lining and gutter repair system that will eliminate leaks.

Fully bonded to steel gutters, the system utilises SWT Primer, a proven, marine-grade, anti-corrosion primer that prevents rust. All joints are sealed with Non-Sag Sealer, a silicone compound that is unique to Liquasil, before being overcoated throughout with Liquasil One to form a permanent liner.

The gutters were prepped in line with the manufacturer's specification, all gutter joints were resealed and then reinforced. Gutterseal was then applied at the required consumption.

The rooflights were still in relatively good condition and retained structural integrity, therefore the decision was made to coat these using Liquasil Glaze Protect system. This translucent polyurethane coating is applied directly to the thoroughly cleaned GRP rooflight. Once cured this coating will protect the rooflight for another 10 years.

The downpipes were fabricated to exact measurements which included long curved swanneck sections, the RAL colour had to be matched to the original colour of the original downpipes. These were installed via MEWP and had to be carefully coordinated as not to cause any issues on this busy Royal Mail site.

A difficult job that was completed at the highest standard, the roof looked like it had come to the end of its life but with careful repairs and quality preparation works this roof now has plenty of years left in it.



After



After



After

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