PROWALL

CASE STUDY

# HOOPERN STREET, EXETER

## REMEDIAL RAINSCREEN REPLACEMENT



## PROJECT FACTS

**Project Type**
Façade Remediation

**Location**
Exeter, Devon

**Building Type**
Residential Apartments

**System Installed**
ProWall Rendered Rainscreen System

**Installer**
Fifields Construction

**Finish**
ProRend Colourtex Silicone Render

## PROJECT OVERVIEW

Following the premature failure of an existing rendered façade system originally supplied by another manufacturer, SAS Europe was appointed to develop a complete remedial solution for Hoopern Street, Exeter. Working closely with Fifields Construction, the project focused on redesigning key construction details to improve structural stability, ventilation, movement accommodation and long-term weather protection.

Rather than simply replacing like-for-like, the ProWall Rendered Rainscreen System was redesigned to incorporate modern best practice, creating a fully ventilated façade capable of delivering long-term durability and performance.

## THE CHALLENGE

Site investigations identified several construction defects within the original façade, including inadequate timber restraint, poor cavity ventilation and incorrectly positioned movement joints. The replacement system needed to rectify these issues while maintaining fire safety, moisture management and long-term structural performance.

- Project requirements
- Improve structural stability.
- Reinstate cavity ventilation.
- Introduce effective movement joints.
- Improve fire stopping details.
- Deliver a durable rainscreen façade.




INTERESTED IN SPECIFYING THIS SYSTEM?

U-Value Calculations

Specification writing

CAD Details

Technical Support

SAS RENDER SYSTEMS

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## THE SOLUTION

SAS Europe developed a complete remedial solution based around the ProWall Rendered Rainscreen System. Additional timber noggings were introduced to strengthen the timber frame before installing vertical counter battens to create a continuous 25mm ventilated cavity, ensuring effective drainage and airflow behind the façade.

The replacement system incorporated ProBoard cement render boards, ProRend Lite reinforced basecoat, ProMesh reinforcement mesh, Colourtex Primer and ProRend Colourtex Silicone Render, together with specialist ProWall ventilated base beads, slip joints, expansion profiles and intumescent cavity barriers.

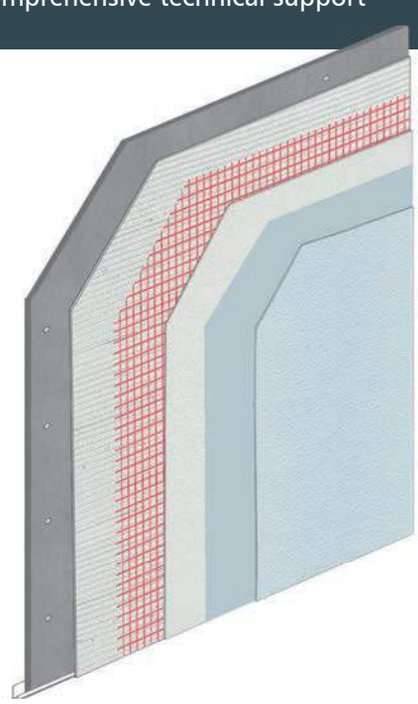
Additional detailing included a rendered blockwork plinth, revised vertical expansion joints, reinstated movement joints at floor levels and improved detailing around the car port head to maintain continuous ventilation throughout the façade.

## KEY BENEFITS

- Complete façade remediation
- Improved structural stability
- Enhanced fire protection
- Improved movement detailing
- Long-term weather resistance
- Modern BBA-Certified rainscreen design
- Comprehensive technical support

## TECHNICAL SUMMARY

| Property | Specification |
|---|---|
| Front Elevation | ProWall Rendered Rainscreen |
| Fire Protection | A2-s1,d0, Intumescent Cavity Barriers |
| Carrier Board | ProBoard Advanced Render Carrier Board |
| Finish | ProRend Lite, ProRend Colourtex Silicone |
| Key Performance | Ventilated, Breathable, Weather Resistant, Fire Compliant, Movement Accommodating |



**The Hoopern Street remediation transformed a defective façade into a modern ventilated rainscreen system designed to current best practice. By addressing the root causes of failure rather than simply replacing the finish, the project delivered a durable, weather-resistant façade with improved structural integrity, movement accommodation and long-term performance.**

sas | RAINSCREEN | INSULATION | RENDER | MESH | BEADS |

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