PROREND EIFS

CASE STUDY

PREMIER INN GATWICK AIRPORT

HIGH-PERFORMANCE EXTERNAL WALL INSULATION



PROJECT FACTS

Project Type
Thermal-Efficient Facade

Location
Gatwick Airport, West Sussex

Building Type
Hotel

System Installed
ProRend EIFS Mineral Wool System

Finish
ProRend Colourtex Silicone Render

PROJECT OVERVIEW

Premier Inn Gatwick Airport North Terminal is one of the UK's largest Premier Inn hotels, providing over 630 guest rooms across twelve storeys. Situated directly opposite Gatwick Airport's North Terminal, the building features a distinctive quarter-circle design incorporating both curved and flat elevations surrounding a central courtyard.

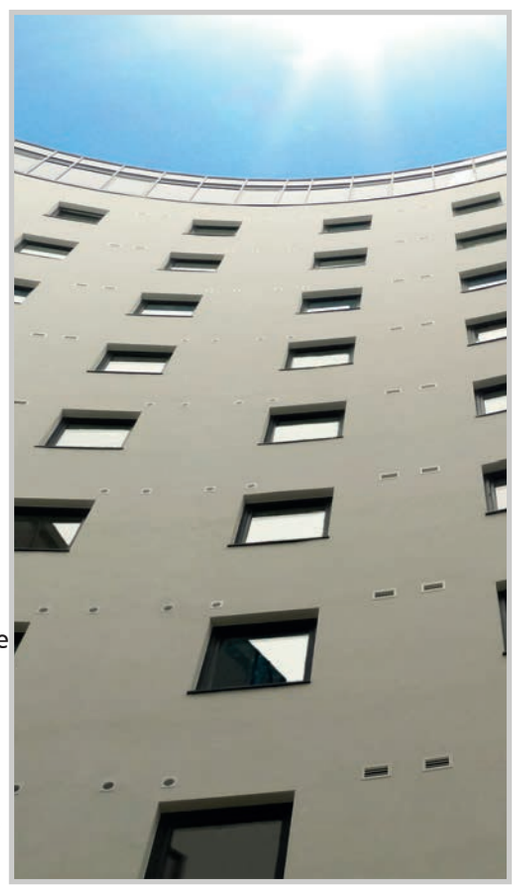
SAS Europe's ProRend EIFS Mineral Wool System was selected for the courtyard façades, providing a complete insulated render solution capable of following the building's complex geometry while delivering outstanding thermal performance, durability and a contemporary architectural finish.

THE CHALLENGE

The unique curved design of the building required an external wall insulation system capable of accommodating both sweeping curved elevations and flat wall sections without compromising the quality of the finished façade.

As a high-occupancy hotel, the system also needed to provide excellent thermal efficiency, long-term weather protection and a durable, low-maintenance finish suitable for a busy commercial environment.

- Accommodate curved and flat elevations.
- Improve thermal performance.
- Provide a durable, low-maintenance finish.
- Deliver a seamless architectural appearance.
- Meet the performance requirements of a major hospitality development.



INTERESTED IN SPECIFYING THIS SYSTEM?

U-Value Calculations

Specification writing

CAD Details

Technical Support

SAS RENDER SYSTEMS

info@sas-europe.com | 01647 24620 | **sas-europe.com**



THE SOLUTION

The BBA-Certified ProRend EIFS Mineral Wool System was installed directly onto the blockwork forming the internal courtyard elevations. High-performance mineral wool insulation provides excellent thermal performance while also offering the benefits of a non-combustible insulation solution.

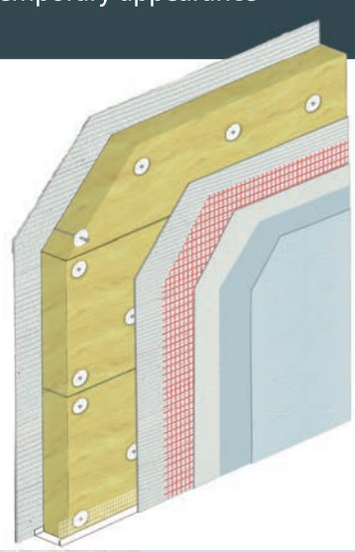
The façade was completed using ProRend Colourtex Silicone Render, producing a seamless, breathable and weather-resistant finish with excellent colour stability and long-term durability. The light-coloured finish enhances the courtyard by reflecting natural daylight into the surrounding hotel rooms, creating a bright and welcoming internal environment.

KEY BENEFITS

- Excellent thermal performance
- Non-combustible mineral wool insulation
- Accommodates curved building geometry
- Seamless architectural finish
- Low-maintenance façade
- Breathable construction
- Long-term weather resistance
- Contemporary appearance

TECHNICAL SUMMARY

Property	Specification
Basecoat	ProRend External Wall Insulation (EIFS)
Insulation	Mineral Wool
Finish	ProRend Lite & ProRend Colourtex Uniform
Fire Performance	Mineral Wool System A2 - s1, d0
Key Performance	Thermally Efficient, Breathable, Weather Resistant, Low Maintenance, Durable



The completed installation demonstrates how the ProRend EIFS Mineral Wool System can deliver both technical performance and architectural quality on large-scale commercial developments. By combining high-performance insulation with a durable ProRend Colourtex Silicone Render finish, the system provides a long-lasting, low-maintenance façade that complements one of the UK's most recognisable airport hotels.

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