PROREND EIFS

CASE STUDY

CUTTING CARBON THROUGH RETROFIT

BROADMEADOW LEISURE, TEIGNBRIDGE

PROJECT FACTS

Project Type
Public Sector Refurbishment & Decarbonisation

Location
Teignmouth, Devon

Building Type
Sports & Leisure Centre

System Installed
ProRend EIFS – Mineral Wool External Wall Insulation

Installer
Mccarthy Contractors

Finish
ProRend Colourtex Silicone Render



PROJECT OVERVIEW

Broadmeadow Sports Centre underwent a major refurbishment as part of Teignbridge District Council's decarbonisation programme, transforming an ageing leisure facility into a modern, energy-efficient community asset. As part of the extensive upgrade, SAS Render Systems supplied the ProRend External Insulation Finishing System (EIFS) incorporating mineral wool insulation to improve thermal performance, reduce operational carbon emissions and deliver a durable, low-maintenance rendered façade.

The refurbishment formed a key part of the Council's wider commitment to achieving Net Zero while extending the service life of an important public building through sustainable retrofit.

THE CHALLENGE

The project required a high-performance façade solution capable of significantly improving the building's thermal efficiency while supporting ambitious carbon reduction targets. As a busy public leisure facility, the system also needed to deliver long-term durability, excellent weather protection and compliance with current fire and Building Regulation requirements.

Project requirements:

- Reduce operational carbon emissions.
- Improve thermal performance.
- Meet current fire safety standards.
- Modernise the external appearance.
- Deliver a durable, low-maintenance façade.



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 building envelope was upgraded using the ProRend External Insulation Finishing System (EIFS) incorporating non-combustible mineral wool insulation to enhance thermal performance and fire safety.

Following installation of the insulation, a reinforced ProRend basecoat with ProMesh alkali-resistant glass fibre reinforcement mesh was applied before finishing the façade with ProRend Colourtex Silicone Render. The breathable silicone finish provides excellent weather resistance, colour stability and long-term durability while helping to protect the building against the demanding coastal environment.

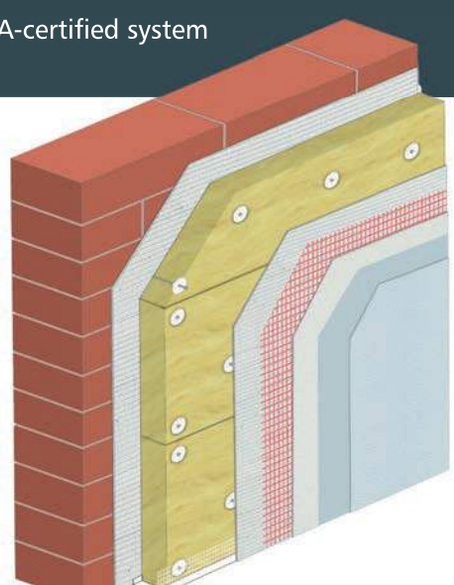
The completed system forms an integral part of the wider decarbonisation strategy, helping to reduce heat loss, improve energy efficiency and future-proof the building for decades to come.

KEY BENEFITS

- Reduced operational carbon
- Improved thermal efficiency
- A2 - s1, d0 fire performance
- Durable silicone finish
- Long-term weather protection
- Low maintenance façade
- Sustainable building retrofit
- BBA-certified system

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, Fire Compliant, Low Maintenance



The refurbishment transformed Broadmeadow Sports Centre into a modern, energy-efficient leisure facility with improved thermal performance, reduced operational carbon emissions and a durable, low-maintenance façade. The project was recognised as a finalist in both the Michelmores Property Awards and the Constructing Excellence South West Awards, celebrating its contribution to sustainable building refurbishment.



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