



Parex system for Lochs and Glens

The PAREXTERNAL External Wall Insulation System (EWI) was used to provide a traditional wet cast appearance to a new hotel on the shores of Loch Long, Scotland. The Parex render system has been designed to provide a passive standard, energy efficient building giving excellent thermal performance.

Parex won the major contract to supply its PAREXTERNAL render system for the **Ardgartan Hotel** which is being built by leading Hotel tour operator Lochs and Glens.

The traditional chateaux-style hotel is constructed from steel section panels which has then had the the Siniat Aqua Board fixed to it.



The external facade system comprises a 195 mm fire rated expanded polystyrene insulation which is bonded to the substrate and then base coated using the Parex reinforced Maite polymer modified render. The traditional wet dash effect was created using the Maite render again but this time spray applied to create the desired wet roughcast finish. This was then top coated with a sprayed DPR Sand Smooth finish in the colour shade Gardenia to create a thermal performance of 0.12W/m²K.

Parex is also supplying all the stone effect profiles for cills, window detailing and string courses and designed a special weather sealed window surround for the heads, cills and jambs to avoid the issues of system leaks which will be fundamental due to the sites very exposed location. The profiles were central to helping create the traditional appearance desired by the owners.

The PAREXTERNAL render system used on the hotel has a joint BBA certification with the Siniat Aqua and Render Board and also holds European Technical Approvals and Irish Board of Agreement approvals.

The PAREXTERNAL render system combined with the Aqua Board affords excellent thermal and acoustic performance and high levels of energy efficiency, helping to create a comfortable environment for guests in an area where temperatures can vary dramatically over the season, even plunging to as low as minus 14°C.



The PAREXTERNAL system is also being employed by the tour operator for the adjacent staff quarters for the hotel, which is constructed with a single skin blockwork construction, achieving a high thermal performance of **0.18W/m²K**.

Lochs and Glens is a leading hotel and tour operator specialising in holiday tours throughout Scotland. Through its own innovation, the company is also operating as the developer and project management team for this site.

The applicator company for the Parextherm render system was Taylormade Ltd.

Full details of the Parextherm systems and all Parex render products can be found at www.parex.co.uk



PAREX MATERIALS USED

PAREXTERNAL Acrylic EWI System comprising of;

- Insulation adhesive - Maite
- Insulation - EPS70E
- Base coat - Maite
- Base coat mesh - 355 AVU
- Primer - 310 Primer
- Top coat - Maite
- Top coat finish - DPR Sand Smooth