



CHRYSTON HIGH SCHOOL, SCOTLAND

REHAU UNDERFLOOR HEATING

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LARGEST EVER INSTALLATION OF REHAU UNDERFLOOR HEATING IN SCOTLAND

The largest ever installation of REHAU underfloor heating in Scotland is nearing completion in the new £22m Chryston High School, being built as part of North Lanarkshire Council's £200m Schools and Centres 21 programme.

More than 45,000m of REHAU PE-Xa 16mm pipework has been installed by REHAU Authorised Partner Express Heating of Edinburgh across a floor area of more than 8,000m² - larger than a full size football pitch.

In the classroom and corridor areas of the new school, the pipework has been fixed in reverse spiral circuits using REHAU's TACKER system. In the cultural centre, community hall, assembly hall and sports hall it will be fixed using REHAU's Sprung Floor system. This fixes the pipe on an insulating layer between the flooring joists in a void below the floor surface, preserving the performance characteristics of the sprung floor without compromising the efficiency of the underfloor heating.

The REHAU system was specified by consultant Rybka who had been impressed both with the quality of the REHAU pipework and fittings on previous projects and with the technical and sales support provided by the team at REHAU's regional sales office in Glasgow.

The installation has been carried out over a period of ten months to meet the demands of the on-site schedule.

The heat source for the underfloor heating system is a combination of high efficiency biomass plant and gas boilers. The main heat source is the wood chip fuelled biomass plant which provides significantly lower running costs than gas. This reflects the high focus on sustainability on the project.

Chryston High School is a new build secondary school being built by main contractor Morgan Sindall plc to replace the original school which was constructed in 1966 with extensions in 1981. The new building is due to be completed in the summer of 2012.



UK & IRELAND SALES OFFICES

London, REHAU Ltd, The Building Centre, 25 Store Street, London WC1E 7BT **Slough**, Units 5 J & K, Langley Business Centre, Station Road, Langley, Slough SL3 8DS Phone: 01753 588500 Fax: 01753 588501 **Glasgow**, Phoenix House, Phoenix Crescent, Strathclyde Business Park, Bellshill, North Lanarkshire ML4 3NJ Phone: 01698 503700 Fax: 01698 503701 **Dublin**, 9 St. Johns Court, Business Park, Swords Road, Santry, Dublin 9 Phone: 00353 (0)1 8165020 Fax: 00353 (0)1 8165021