



## REHAU UNDERFLOOR HEATING SYSTEMS

FLEETWOOD HIGH SCHOOL, LANCASHIRE

# FLEETWOOD HIGH SCHOOL

## LANCASHIRE

REHAU's Underfloor heating system has been installed throughout a brand new facility for Fleetwood High School in Lancashire. The school is being constructed by Eric Wright Group in what is Lancashire County Council's first Public Private Partnership (PPP) project.

As well as the historic element of the contract for the school and LEA, it is also particularly notable for REHAU since it is the first to be completed using the company's new fast and cost effective Tacker Sheet Underfloor heating installation system. At Fleetwood High School, more than 35km of REHAU's 20mm Universal pipe were laid throughout the 9,000 sq meters of the school in just 10 weeks.

Using the Tacker system, the REHAU pipework is laid directly onto expanded polystyrene boards pre laminated with a fabric reinforced water resistant foil and fixed using a specially designed staple gun. This saves considerable time over the previous system where polyethylene foil was rolled out on top of EPS Boards and then fixing rails were attached to the board before the pipework could be laid.



The new method also allows more flexibility in circuit patterns, particularly where pipe needs to be laid round obstacles.

The M&E services for Fleetwood High School were designed by consultants Pettit Singleton Associates. They chose an underfloor heating system as part of the £1.2m mechanical services package because it met all their heating objectives - it was highly energy efficient, particularly when powered by condensing boilers; aesthetically there were no heating emitters or visible pipework to spoil the airy feel of the school and in terms of safety this eliminated any risk that pupils could burn or injure themselves.

An additional important element for Eric Wright Group was that the system offered reliability, low running costs and low maintenance since, under the terms of the PPP, once complete, Eric Wright Group will manage caretaking and maintenance of the school for the next 25 years.

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