

News from Kingspan



5,000m² of Kingspan's Thermataper TT47 LPC/FM tapered roofing system has been installed at the £28m Rodillian High School in Leeds.

HEAT LOSS IS HISTORY AT SCHOOL OF THE FUTURE

Wasteful heat loss is not on the curriculum at a Leeds school thanks to an advanced flat roofing solution from Kingspan Insulation that delivers thermal protection and drainage in one easy-to-install system.

5,000m² of Kingspan's Thermataper TT47 LPC/FM tapered roofing system has been installed by contractor Sharkey and Co., at the £28m Rodillian High School in Leeds, as Scott Parry, Estimator with Sharkey explained:

"We did have the opportunity to use other equal or approved products on this job if desired but as we have always worked well with Kingspan Thermataper insulation, we felt there was no benefit in changing. It has proved, time after time, that it is a quality product and if it is correctly applied, (as we have done on previous jobs), Kingspan Thermataper ensures low heat loss through the roof, as well as preventing the build-up of rainwater, which was essential for this particular project."

Thermataper is able to do this because, as the name suggests, the insulation boards are tapered to facilitate rainwater run-off and prevent detrimental water ponding. The secret to Thermataper's unrivalled insulating properties lies in its light-weight, high-performance, rigid thermoset core, which provides excellent thermal conductivity values (as low as 0.022 W/m.K for one product in the Thermataper range) and reliable thermal performance for the lifetime of the building.

The core has a closed cell structure, which provides a defence against moisture ingress, and the range comes in various facings suitable for use beneath most waterproofing systems: at Rodillian, beneath 2.5mm Rhepanol single-ply membrane fully adhered with a solvent-based adhesive.

The boards are supplied ready-tapered to a pre-specified fall, which not only saves installation time on site but also provides an economic alternative to incorporating structural falls and supports into the building design - an important consideration in the company's preference, according to Scott Parry:

"Kingspan's technical & design team will issue a layout based on the drawings and their own design requirements prior to us installing the product. Based on this layout, all potential challenges and tricky areas are identified early, so that we can plan well in advance without any complications when it's on site, which makes it cost effective for us."

The new school has a colourfully modern design, which has been described as: "everything you would expect from a 21st century school", and was the first of five newly-built facilities delivered on time and on budget through the Leeds Local Education Partnership (LEP) as part of the 'Schools for the Future' programme.

The school's 1204 pupils can now take advantage of new facilities which include: a lecture theatre; a canopy-covered amphitheatre; a two-storey library space with state-of-the-art ICT; and excellent sporting resources including a gymnasium, dance studio, sports hall and fitness suite.

Kingspan Insulation supports all of its products with a comprehensive Technical Advisory Service, including computer-aided design, to give fast, accurate technical advice to specifiers, stockists and contractors.