

Hi Point gets off the ground - fast

At 27 storeys, the new Unity development of luxury apartments in Liverpool looks set to transform the city's skyline and has been equipped with a striking 1.5 degree pitched Hi-Point gull wing roof, which sits 94 metres above the ground.

Speed of installation, increased safety and reduced man hours working at height were the main priorities for designers Dane Architectural and main contractors Laing O' Rourke and Hi-Point didn't disappoint. The full 22 Hi-Point modules were lifted and bolted into position in just two days by approved Teamkal contractor EHS Roofing, allowing significant reductions to be made in both the roof installation programme and overall site time.

This amazing achievement is perhaps all the more impressive considering that the lifting method which was adopted was used for the very first time for this project. The new process sees the lifting lug incorporated into the design of the roof purlin cleat, which then remains in place to allow the roof to be easily removed and recycled at the end of the building's life.

As whole life performance and durability were also important factors in the specification of the roof, the Hi-Point system was equipped with 1.2 mm clad stucco embossed Kalzip 400 aluminium standing seam sheets. A range of Kalzip fabrications including verge and roof flashings, mono ridge and verge capping details, was also specified in a stainless steel finish to complement the wall panels, all of which were manufactured by the Kalzip Fabrication department.

The 398 square metre Kalzip roof also features a new 25 metre long thermoplastic polyolefin (TPO) walkable membrane lined insulated gutter, produced by Corus in two modules for connection on site. Fully recyclable, the TPO gutters are also environmentally friendly and produce no harmful gas emissions during the manufacture or the hot-air welding process.

Further information on Hi-Point and recently completed MoD estate projects can be obtained by calling +44 (0) 1925 825100 or visiting the new Hi-Point website at www.corus-hipoint.com.