



NEXT DISTRIBUTION CENTRE, DONCASTER

KINGSPAN LIMITED

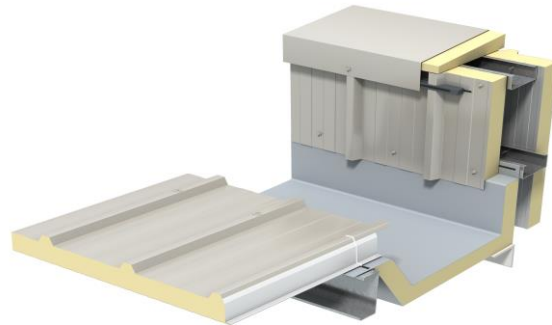


Kingspan's membrane lined insulated gutter system was used in the construction of this distribution centre for Next plc in Doncaster.

The construction of this 60,000 square metre warehouse and office development provides first class office and warehouse facilities for clothing retailer Next Plc. The development comprises of a four storey office block and a conveyor link bridge to enable stock transportation between warehouses.

In order to achieve the swift installation time required by Next Plc, the project used two metre wide trapezoidal roof panels (KS2000 RW) along with seven metre long membrane lined insulated gutters to significantly increase the speed of construction. The roof system installation was completed ahead of build schedule.

The trapezoidal roof panels (KS2000 RW) were rake cut during the manufacturing process for faster on-site installation. The roof panels were then seamlessly integrated with the membrane lined insulated gutters which incorporate a closed-cell, LPCB certified to LPS 1181 Grade EXT-B and FM approved PIR insulation core.



Trapezoidal roof insulated gutter

Originally chosen for Kingspan's leading Rooftop Solar PV solution, the Kingspan Technical Services team brought this distribution centre specification to new heights with a fully integrated Kingspan roof system. Installed ahead of build schedule, the system delivered on the fundamentals of the design brief; superior energy efficiency and a swift installation process.



The installation of Kingspan Energy's Rooftop Solar PV System has enabled Next plc to manage its own electricity costs. The 2.5 MWh system is expected to produce 2,217 MWh of electricity per annum with 100% of this energy being consumed on site. In addition, the building is expected to offset 1,101 tonnes of CO2 annually.

The structural and thermal performance of this bespoke system is guaranteed for a period of 25 years, offering peace of mind for Next Plc.



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