



case study

Next Retail - Solar PV installation





New Next store - New Malden

The new Next superstore on the Bushey Road in New Malden, opened just in time for Christmas 2016. The store comprises nearly 6000M² floor area over 3 levels and includes fashion clothing, home goods, a Costa café and onsite parking for 167 cars.

The new store is of modern construction with large glazed sections to the front elevation, stone and brick façade systems combined with ACM panels. The flat roof is made up of Kingspan Topdeck panels with SIKA TROCAL membrane. The product was recommended due to its thermal performance, airtightness and fire properties.

A large solar array has been installed on top the 2000M² roof area, and includes 258no. SW280 Mono modules, on framing supported off the ROOFTAK-IFP fixing points.

The ROOFTRAK-IFP Integrated fixing point was used due to the unique fixing detail which allows a connection back to the structure whilst maintain complete integrity of the roofing membrane.

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The ROOFTRAK-IFP was supplied including a SIKA TROCAL membrane flange ensuring total compatibility with the Topdeck panel. The patented fixing point also allows the unit to be entirely fixed from the roof side using specified fixings which have been tested for use with the KS1000TD panel to ensure an uplift resistance of 1.4kN per IFP can be achieved.



ROOFTRAK-IFP Integrated Fixing Point

The ROOFTRAK-IFP Integrated Fixing Point can be retro-fitted. This meant the roof could be made fully waterproof until the solar installation was ready to start. Once ready the 228no. IFP units were installed quickly with the fixing and sealing taking place within a day.

For further information on the ROOFTRAK-IFP range of products visit ROOFTRAK page at www.nicholsonsts.com or contact us on 0845 0098 980

