

**DISTRIBUTION CENTRE, WARRINGTON**  
**HAMBLESIDE DANELAW LIMITED**



*Zenon rooflights installed to the left hand slope*

Hambleside Danelaw's Zenon GRP rooflights were specified for the roof refurbishment of a distribution centre in Warrington.

For the replacement of the 25+ year old outer sheet, the decision was to upgrade to the superior strength Zenon Evolution LC1. Unlike traditional GRP rooflights that are reinforced with short rovings, Evolution is formed using a continuous filament woven mesh of glass fibres providing very high tensile strength and resistance to tearing.

This goes way beyond the minimum requirements for non-fragility. Due to the nature of the material this also means less resin is required within the manufacturing process compared to traditional reinforcement techniques, resulting in a significant reduction in embodied carbon in the finished product with no loss in performance.



*Rooflight replacement internal*

The refurbishment was carried out by High Access Maintenance Limited which offers a comprehensive high-level building maintenance and cleaning service for the commercial sector with their head office based in Greater Manchester. From here and their other branches in Scotland and in Slough, they undertake both emergency and planned projects nationally.

This project involved an 8-12 person team over a period of 16 weeks, and included the supply and installation of safety netting and 1400 linear metres of edge protection with two Haki stair towers. The existing rooflights were replaced with rooflights using GRP Evolution LC1 Class 3; 140 runs at 22 metres in length.

The grinding off all cut edge corrosion was carried out to the roof sheet laps and mastic and basecoat was applied to the full roof - circa 8000 square metres. In addition, High Access carried out the clearance of all guttering to both low and high level roof areas, sealed all gutter joints and implemented a thorough cleaning of all roof sheets. Mobile Elevating Work Platforms (MEWPs) were provided to accommodate all works safely.



*Rooflight replacement complete*

Phil Seaton, Operations Director of High Access said “The rooflights were delivered promptly and competitively priced. I was pleasantly surprised on the quick lead time, which enabled us to complete the programme of works a week early. The impact on the natural daylight internally is substantial. Both client and landlord are thrilled with the results”.



[www.hambleside-danelaw.co.uk/zenon-rooflights/](http://www.hambleside-danelaw.co.uk/zenon-rooflights/) Zenon



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