



Zenon rooflights installed to the left hand slope

Case Study – Distribution Centre, Warrington

A whole new light; refurbishment using Zenon Evolution

High Access Maintenance Limited undertook a 16 week project in Warrington on a distribution centre to refurbish the building and its roof.

High Access offer 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 a 8-12 person team over a period of 16 weeks, and included:

- Supply and installation of safety netting and 1400lm of edge protection with 2no Haki stair towers
- Replacement of existing rooflights using GRP Evolution LC1 Class 3; 140 runs at 22m in length
- Grinding off all cut edge corrosion to all roof sheet laps
- Application of mastic and basecoat to the full roof - circa 8000m²
- Clearance of all guttering to low and high level roof areas and sealing of all gutter joints
- Thorough cleaning of all roof sheets
- MEWPs provided to accommodate all works safely

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.

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".

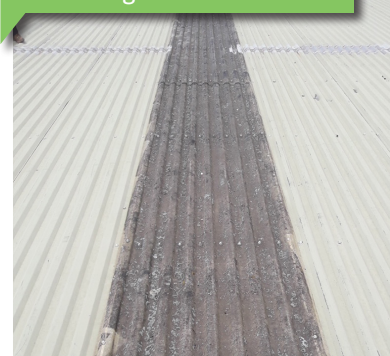
For more information, please contact our team on:
sales@hambleside-danelaw.co.uk

+44 (0)1327 701 920

Or you can visit our website; www.hambleside-danelaw.co.uk/zenon-rooflights/

Ref: High Access

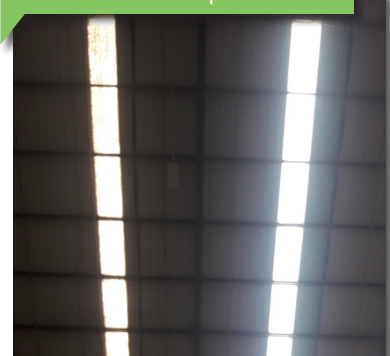
Old rooflight outer sheet



Replacement complete



Before & after replacement



Products used in this project

Zenon site assembled rooflight sheets

Zenon site assembled rooflights can combine Zenon Pro and Zenon Evolution weather sheet and liner panel configurations to suit all building requirements. Manufactured to match all commonly available metal cladding profiles for both new build and refurbishment projects, the various sheet weights can be mixed and matched to meet the best performance criteria for your building design. Where insulated assemblies are required to meet Building Regulations and to improve building energy performance, our unique Zenon Insulator™ core or multi-wall polycarbonate options can be selected.

All our insulated rooflight assemblies achieve U-values below the Building Regulations Part L notional building value of 1.8W/m²K. All our assembly combinations meet, or more often exceed, the required non-fragility classification as defined in ACR[M]001:2014 (5th edition) and NARM's Technical Document NTD03 [2014]. Each sheet can be manufactured to the required fire grade. Uninsulated rooflight assemblies are available for agricultural building applications where Building Regulation requirements may not be applicable or required.

Zenon Evolution rooflight sheets

Zenon Evolution is ideal for environmentally conscious industrial and commercial buildings or where superior strength is demanded. Benefits include;

- High strength rooflight sheet with lower embodied carbon
- Available in over 1000 profiles to suit new build and refurbishment projects
- Suitable for installing in single skin and double skin assemblies
- Insulated with either polycarbonate or our patented Insulator™ core
- Compatible with both site-assembled and composite panel cladding systems
- Stronger than conventionally reinforced rooflights of the same weight
- Better profile definition to suit the surrounding metal sheets
- Increased diffusion of natural daylight
- More reliable sealing, no special sealants required
- Carries Zenon Shield, a highly durable UV protection surface film
- Exceeds non-fragility requirements
- Manufactured and CE marked in accordance with BS EN 1013
- **Best for strength, durability, performance and peace of mind**