

**Hambleside Danelaw
Rooflights**



TECHNICAL MANUAL
Zenon Pro



LOW CARBON DAYLIGHT SOLUTIONS

Zenon Pro

The Zenon Pro range of rooflights uses traditional glass fibre 'rovings' and 'chopped strand mat' (CSM) reinforcement materials to deliver a tried and tested product which has stood the test of time for decades.



Zenon Pro is manufactured and CE marked in accordance with UK Annex BS EN 1013:2012 + A1:2014. It is available in nominal sheet weights from 1.8kg/m² CE18 up to 5.4kg/m² CE54.

Hambleside Danelaw can also supply additional sheet weights, some lighter and some heavier than those described within the UK Annex, for specific applications such as lightweight universal liners for use with factory-assembled rooflights (FAIRS) or more resin-heavy products for projects where extremely high levels of rigidity are required. For outer or 'weather' sheet applications, all Zenon rooflights carry Zenon Shield, a highly durable UV protective surface film.

The complete range of Hambleside Danelaw Zenon Pro rooflight products is fully compliant with the Building Regulations requirements for fire performance, tested to BS 476 Parts 3, 6 and 7. Moreover, because the Zenon Pro range is made from thermosetting GRP, its use is not constrained by the Building Regulations thermoplastic considerations.



Glass fibre rovings



Chopped strand mat

Zenon Pro is available to match over 1000 profiles from the fibre cement and metal cladding sectors, and non-standard designs can be produced subject to a minimum order quantity. Hambleside Danelaw can assist clients in identifying a number of rare or obsolete profile shapes and, in many cases, can provide dimensioned confirmatory drawings.

The 'resin and fibre' composition of these rooflights offers excellent light transmission and diffusion, making the most efficient use of the available

daylight and reducing the demand on internal artificial lighting systems.

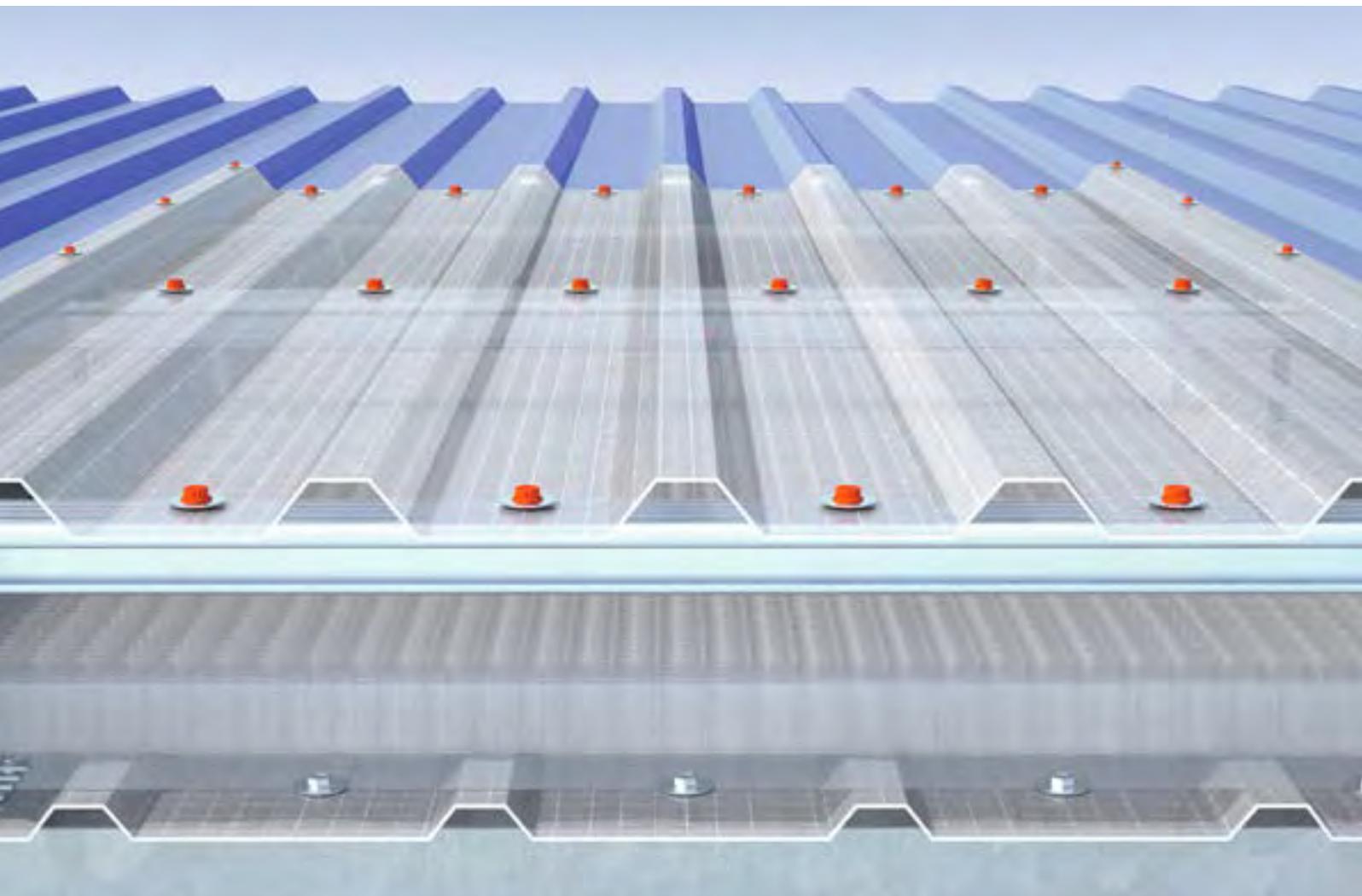
Zenon Pro rooflights are suitable for use in single, double or triple-skin rooflight assemblies and are compatible with both site-assembled and composite panel cladding systems.

Hambleside Danelaw can offer expert advice regarding appropriate sheet weights for specific applications and requirements.

State of the art continuous profiling techniques give Zenon Pro excellent profile definition for a sharper, tighter match with the adjacent metal roof sheets, making sealing, and therefore achieving airtightness, straightforward and simple. The Hambleside Danelaw manufacturing process means that this applies even with heavier weight sheets, where a thicker product can sometimes result in poor profile definition.



PRO



Zenon Pro - Maximum span table (outer sheet)

Depth of sheet profile (mm)	Purlin centres (m)				
	Pro 18	Pro 24	Pro 30	Pro 36	Pro 54
15 to 20	1.25	1.50	1.60	1.65	1.80
21 to 25	1.50	1.75	1.80	1.90	2.40
26 to 30	1.60	1.85	2.00	2.10	2.80
31 to 35	1.80	2.05	2.20	2.35	2.90
Over 36	2.00	2.25	2.40	2.50	3.00

Zenon, a comprehensive range of low carbon rooflights for the metal building envelope from Hambleside Danelaw

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Hambleside Danelaw Limited
Long March, Daventry, Northamptonshire, NN11 4NR

Telephone: 01327 701920 Fax: 01327 701929
www.hambleside-danelaw.co.uk
email: sales@hambleside-danelaw.co.uk

