

FILON Fairs

Factory Assembled Insulating Rooflights

U-VALUE
AS LOW AS
1.0 W/m²K

- Designed to provide compliance with Building Regulations Part L2 (England and Wales) and Section 6 of the Building (Scotland) Regulations Technical Handbooks
- Available in profiles to match all current and obsolete composite panel systems
- Optional 'Supasafe' top sheets for applications where there may be a risk of mechanical damage
- 25 - 30 years life expectancy
- Compliant with Building Regulations for fire safety

FILON[®]

Factory Assembled Insulating Rooflights

FILON FAIRS GRP triple skin factory assembled rooflights are designed to provide high levels of natural light, with insulation values in compliance with Building Regulations Part L (England and Wales) and Section 6 of the Building (Scotland) Regulations Technical Handbooks.

Non-fragility conditions demanded by the Health and Safety Executive CDM requirements are also catered for in the FAIRS range.

Bespoke insulated rooflights to match your needs – precisely

FILON FAIRS rooflights can be configured to provide the ideal solution for rooflighting in any profiled roof. UV protected GRP outer sheets can be manufactured to match all current profiles – and most discontinued ones. The central core can be adapted to provide the level of insulation required. U-values as low as 1.0 W/m²K can be achieved. Lining panels are manufactured from profiled GRP to customer specification.

Tough and durable

FILON FAIRS rooflights are fabricated from high quality FILON Glass Reinforced Polyester (GRP) which is robust, shatter resistant and unaffected by extremes of temperature. Long-term UV protected outer skins provide excellent resistance to degradation caused by weathering.

Accelerated weather tests by an independent test laboratory under Clause 5 of BS EN 1013:1-1998 Part1 have classified FILON rooflights as follows:

Clause 5.2: Light Transmission – Category L₀

Clause 5.4 Variation of Yellow Index and Light Transmission after ageing procedure Classification A₀

These are the highest classifications under this standard.

Non-fragile rooflights

When used in applications where the rooflights may be subject to mechanical damage or where personnel may need to access roof areas, FILON FAIRS rooflights can be specified with extra strong FILON Supasafe top sheets. These rooflights will remain durable and non-fragile for 25 to 30 years.

Excellent light diffusion

FILON GRP sheet scatters transmitted light, to ensure even light distribution without internal glare or excessive shadows. This makes FILON FAIRS rooflights ideal for all kinds of applications including areas where natural light is required for working spaces such as factories, commercial buildings, sports halls, stadia, agricultural buildings, and many other applications.

Fire properties

Filon FAIRS rooflights comply with Building Regulations for Fire Safety and are tested to BS 476 Parts 3, 7, and where appropriate Part 6. The normal fire ratings used are:-

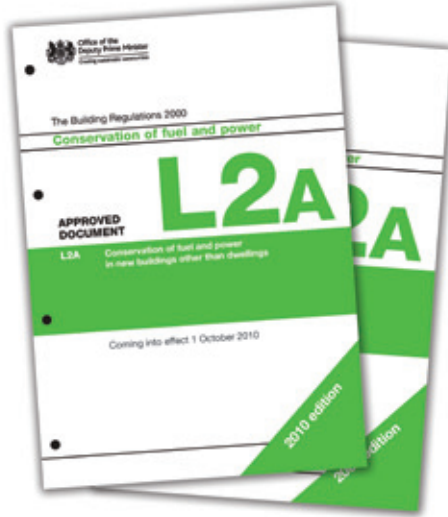
Filon Grade 300 outer: AB to BS 476 Part 3

Filon Grade 104 inner: Class 1 to BS 476 Part 7

From the expert in GRP...

FILON Products has over fifty years experience in the manufacturing of Glass Reinforced Polyester (GRP) by continuous pultrusion to provide profiled and flat sheeting for internal and external use.

The outstanding durability, high strength and low weight of FILON sheeting has resulted in its use for rooflights, roofing and cladding in harsh environments, over-roofing, road sign plate, hygienic cladding, water treatment units and many other applications.

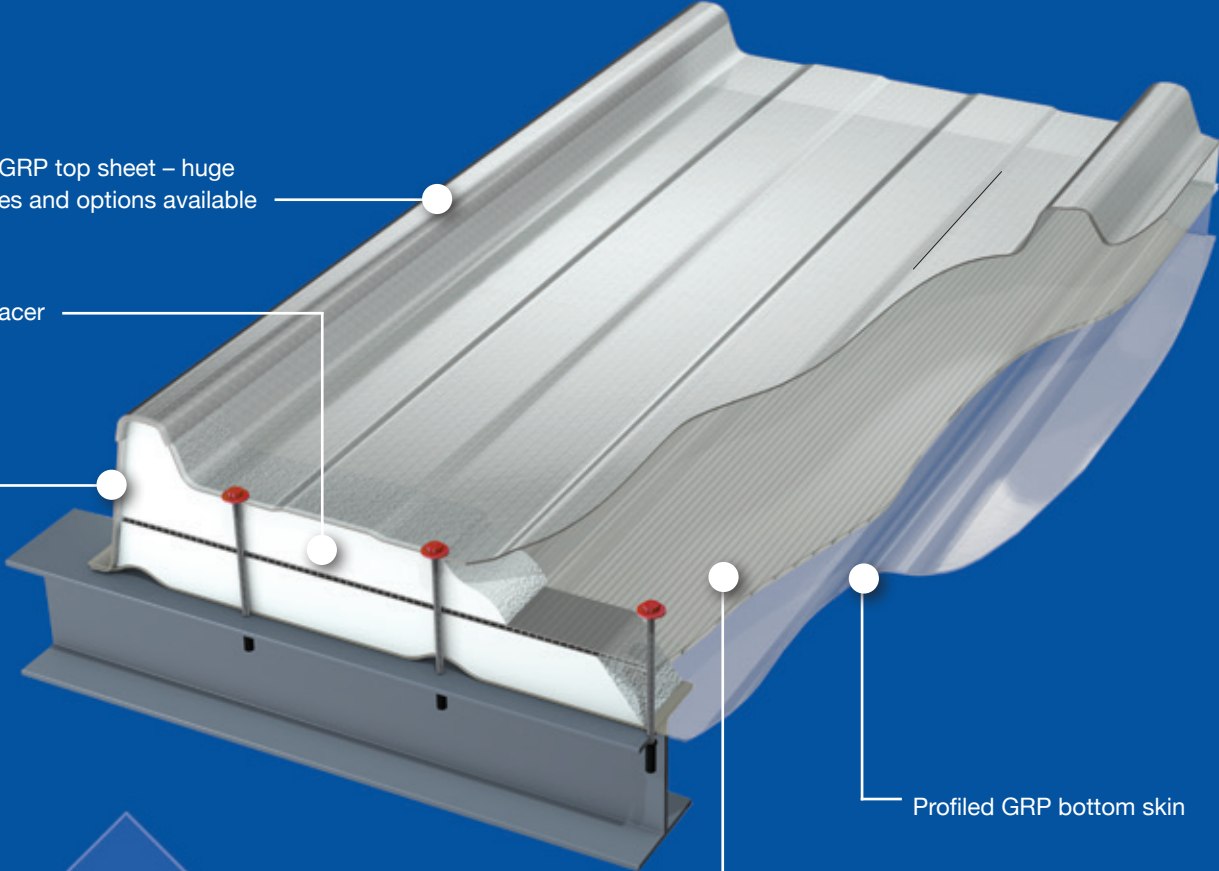


Typical FILON FAIRS rooflight configuration

UV protected GRP top sheet – huge range of profiles and options available

Rigid foam spacer

Sealed construction



Profiled GRP bottom skin

Multiwall polycarbonate middle skin



Specification & installation information

Health & Safety

All FAIRS rooflights must be considered fragile until they are correctly fixed as recommended.

Roof works should be completed in accordance with the recommendations published in the Health & Safety Executive Guidance note HS (G) 33 'Safety in Roof Work'.

Roofs are dangerous places to work and it is recommended that the following information is included in the 'Health & Safety File' provided to the building owner.

No person should have access to a roof unless under the direct supervision of an experienced roofer who should be sufficiently competent to assess any risks and take the necessary action to reduce such risks. Although designed to be non-fragile when installed, foot traffic on rooflights may damage and weaken the sheets and is likely to damage the UV resistant protective coating, thereby reducing the life and translucent qualities of the sheet.

Do NOT walk on rooflights at any time. ALWAYS use crawling boards.

Design

To minimise risks to future maintenance personnel, it is recommended that rooflights should not be located adjacent to valley or boundary wall gutters or within 2m of exposed roof edges.

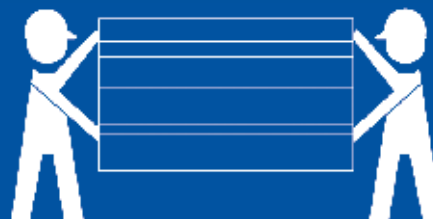
Handling and Storage

FILON FAIRS rooflights are supplied on pallets. They should be stored in flat, clean areas and secured against theft, accidental damage and the risk of being blown away.

The rooflights should be stored under opaque covers,

otherwise sheet stacks may act as solar batteries, boiling any moisture trapped between the sheets and potentially causing discolouration of the sheets. Inspect regularly to ensure that moisture has not penetrated the stack.

When carrying FILON FAIRS rooflights, care must be taken not to twist them. They must be carried by at least two people, as illustrated. The appropriate PPE should be worn at all times.



Maintenance

FILON FAIRS rooflights should be regularly cleaned with warm water and detergents to maintain light transmission. The rooflights will remain structurally sound for at least 30 years.

If required, the exposed surfaces of rooflights may be refurbished with a purpose-made coating to restore light transmission and prolong the life of the sheets.

Supply

FILON FAIRS units are manufactured to order and can be obtained from a nationwide network of distributors and contractors.

For further information, please contact our Sales or Technical Departments on +44 (0)1543 687300

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