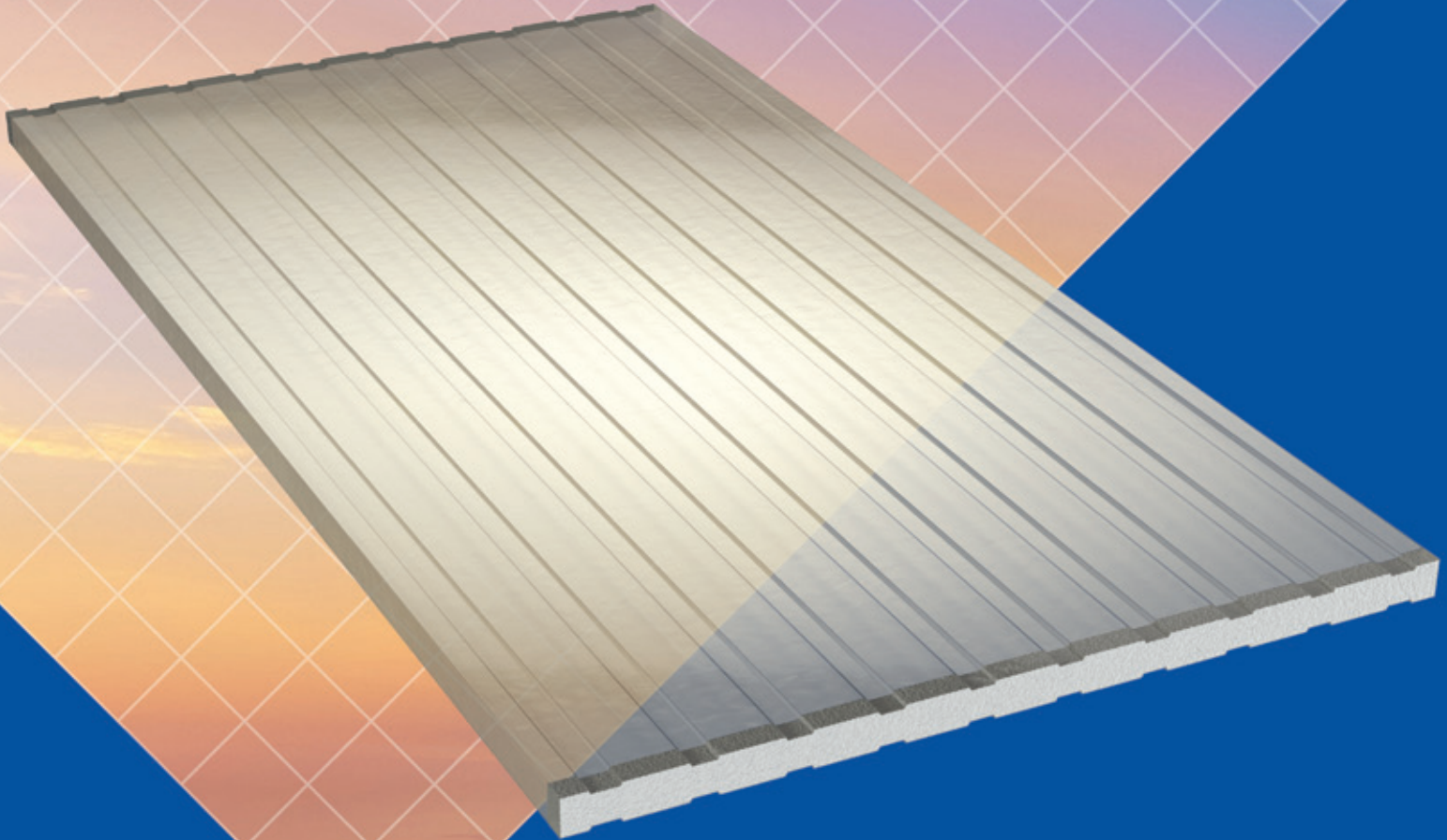




## Double Skin GRP Box Rooflights for Internal Linings



- Factory assembled units designed for use with suspended ceilings and purlin linings
- Units provide high light transmission without glare, for excellent working environments and extra insulation below external rooflights
- Box construction gives exceptional strength and rigidity
- Units can be supported by roof purlins or suspended 'T' section ceiling systems
- Compliant with Building Regulations for fire safety

A photograph showing the interior of a building with several double skin GRP box rooflights installed in the ceiling. The lighting is bright, and the structure of the roof is visible.

**FILON<sup>®</sup>**

## Specification overview

FILON Filites are factory assembled double skin translucent panels manufactured from re-entrant FILON GRP sheets. Available in standard 900mm, 1000mm and 1200mm widths and depths of 30mm, 35mm and 40mm, they are suitable for use with most suspended ceilings, over and under purlin linings.

### Excellent light transmission and diffusion

Standard double skin units provide 81% light transmission with good light diffusion to minimise glare.

### Excellent thermal insulation

FILON Filites achieve a U-value of 3.0W/m<sup>2</sup>k to provide excellent supplementary insulation to external rooflights.

### High resistance to temperature change

FILON Filites are unaffected by temperature changes from -20°C to 100°C. They will not become brittle at low temperatures and they will not soften, discolour or warp at high temperatures.



Filites installed in a large warehouse to increase light levels

### High strength and rigidity

FILON Filites feature specially shaped re-entrant upstands which are bonded to the sheet at each end of the unit. The large bonding surface area between top and bottom panels, gives the units excellent rigidity.

### Sizes available

|             |                                |
|-------------|--------------------------------|
| 30mm depth: | Up to 1000mm wide; 4000mm long |
| 35mm depth: | Up to 1200mm wide; 4000mm long |
| 40mm depth: | Up to 1000mm wide; 4000mm long |

### Fire rated grades available

FILON Filites are offered in a range of fire retardant grades, to meet current Building Regulations for fire safety.

### 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.

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

# FILON<sup>®</sup>

## Filon Products Limited

Unit 3, Ring Road, Zone 2, Burntwood Business Park  
Burntwood, Staffordshire WS7 3JQ, England

Tel: +44 (0)1543 687300 Fax: +44 (0)1543 687303

Email: sales@filon.co.uk

[www.filon.co.uk](http://www.filon.co.uk)

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