

FILON Fotolite

GRP glazing for horticultural applications

Ideal for • Greenhouses & Tunnels • Garden Centres • Cloches & Cold Frames

- Transmits diffused light to reduce glare, shadows and hotspots to provide ideal growing conditions
- High transmission of photosynthetic wavebands essential for plant growth
- Virtually opaque to UV light which can cause leaf burn
- Good impact resistance and durability compared to traditional polythene
- Unaffected by extremes of temperature from -20°C to $+100^{\circ}\text{C}$
- Rot and vermin proof
- Quick and easy to assemble and install

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FILON FOTOLITE Technical information

Description

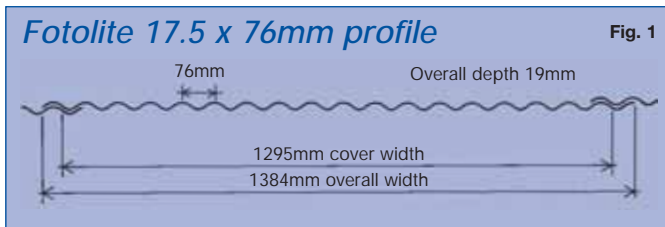
Fotolite sheets are manufactured from specially developed GRP and polyester resins. To prevent yellowing, enhanced UV and weathering protection is provided by a special polyester film surface incorporated during manufacture.

The sheets are virtually opaque to UV light which can cause leaf burn. They provide excellent light diffusion, reducing glare and hotspots and ensuring plants are evenly illuminated.

Colour: Available in clear, translucent or tinted white

Dimensions: 1220mm wide, length to order or cut to length and supplied as flat sheets

Profile: Standard profile is 17.5 x 76mm (see fig 1)
Other profiles can be made to special order
Also available in flat format, supplied in 40m rolls or as flat sheets



Suitability

Fotolite profiles can be used for complete claddings on multi-span, tunnel and pitched roof greenhouses. Sheets can be fixed to steel, aluminium and timber framed constructions. The profiles are ideal for upgrading film covered tunnels.

Fixing

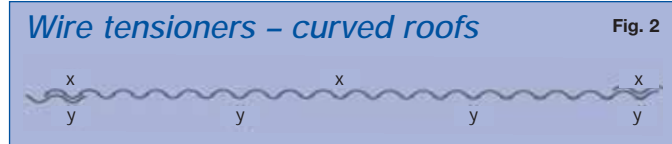
Fotolite sheets should be fixed with label side to weather, with one and a half corrugation side laps and 150mm end laps. For other profiles, please contact FILON's Technical Department for advice.

The sheets can be cut, notched and drilled using conventional metalworking tools.

Wire tensioners

When using Fotolite sheets for curved roofs with wire tensioners, these should be located in positions marked 'x' in figure 2.

On the first two and last two sheet tiers adjacent to the verges and on very exposed sites, locate tensioners in positions marked 'y' in figure 2.



Conventional fixings

On pitched roofs and walls etc for standard profiles in fig 1, fix in every third corrugation with self tapping fasteners or wood screws. Fix in every second corrugation in the following areas: at eaves; at the first two and last two sheet tiers adjacent to the verges; at corners; and on very exposed sites. Stitch side laps at centres not exceeding 450mm

For other profiles, please contact FILON's Technical Department for advice.

Health & Safety

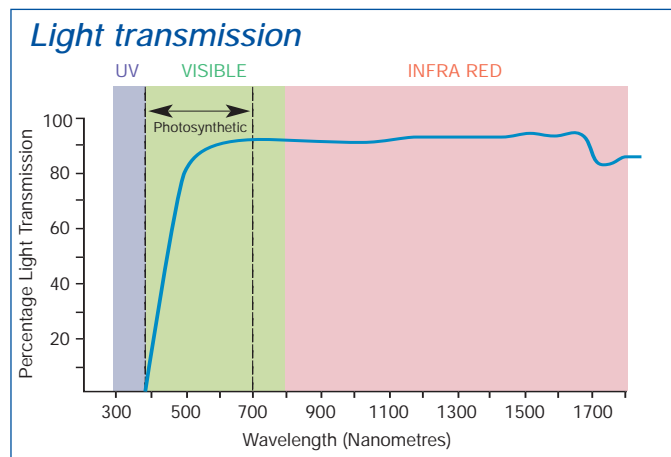
Attention is drawn to the Health & Safety Executive Guidance Note HS(G)33 'Safety in Roof Work'. Fotolite is flexible and must not be stood on when on the roof.

Siteworks

Sheets are generally supplied loose. Store sheets on flat, clean, level battens located at 1.5m centres. Secure against theft and from being blown away. Continuously protect sheets stored in the open with waterproof opaque covers, otherwise, even on relatively dull days, sheet stacks will act as solar batteries, boiling any entrapped moisture and discolouring the sheets. Inspect regularly to ensure that moisture has not penetrated the stack.

Maintenance

To maintain good light transmission, regular cleaning with warm water and detergent is recommended if safe to do so.



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