

Filon Products Limited

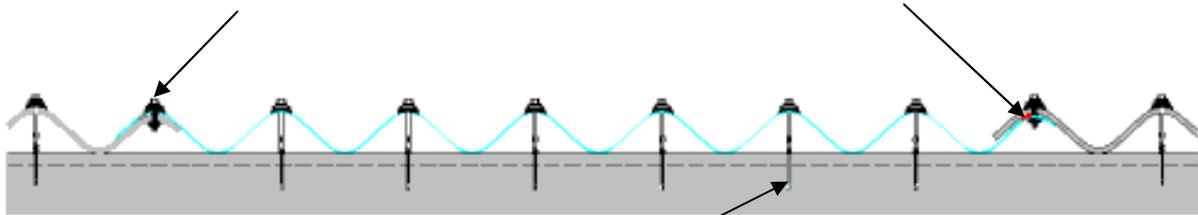
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FILON®

SINGLE SKIN ROOFLIGHT FOR USE WITH A NEW PROFILE 6 OR OLD BIG SIX SHEET SYSTEM

Grommet type stitch bolts @ 450mm centres. For exposed sites or roof pitches less than 10° reduce centres to 300mm

6mm bead butyl mastic sealant on the weather side of the stitch fasteners



Main fasteners to suit the purlin type that incorporate purpose made sealing washers such as BAZ washers.

TYPICAL CROSS SECTION

RECOMMENDED SHEET TYPES

CE24E: Non-fragile Class C to ACR[M]001 during the construction phase and for an expected period of 5 to 20 years depending on external factors as defined in the National Association of Rooflight Manufacturers guidance document NTD03. Note that it is recommended to treat rooflights of this specification as fragile after completion. Recommended for use on purlin spans between 1.35m and 2.0m, provides the minimum non-fragility requirement.
Light transmission: 87%.

CE30E or CEDR24E: Non-fragile Class C to ACR[M]001 for an expected period of 25 years. Recommended for use on purlin spans between 1.35m and 2.0m.
Light transmission: 84% / 82%.

Supasafe E: Non-fragile Class C to ACR[M]001 for an expected period of 30 years. Recommended for use on purlin spans up to 2.5m but this may be exceeded in certain circumstances, provides optimum durability, load and impact resistance.
Light transmission: 76%.

FIRE PERFORMANCE

Filon Grade 104 that is rated AA, Class 1 to BS476 Parts 3 and 7 as standard.
Filon Grade 300 that is rated AB, Class 3 to BS476 Parts 3 and 7 when allowed in Building Regulations for certain applications.
Note that Filon Grade 101 that is designated Class 0 by definition in Building Regulations is also available.

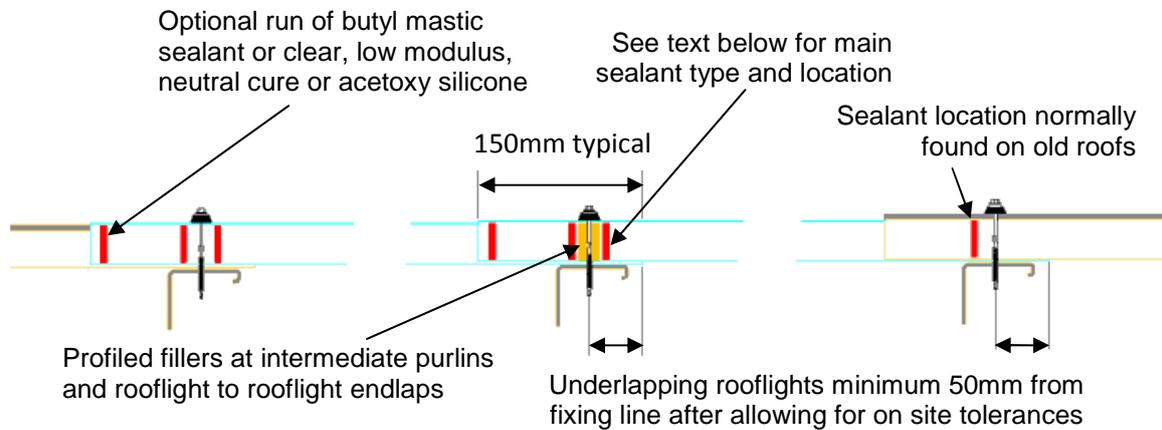


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TYPICAL ENDLAPS

TYPICAL FIXING SPECIFICATION

The Filon single skin rooflights should be secured to purlins with fasteners suitable for the purlin type that incorporate purpose made sealing washers such as BAZ washers. Fasteners should be located on the profile crowns. Note that profile fillers are recommended on intermediate purlins or rooflight to rooflight endlaps.

Any endlaps should be located directly over a purlin. The top edge of an underlapping rooflight should be minimum 50mm from the main fixing line after allowing for on site tolerances. The leading edge of an overlapping rooflight is normally 100mm from the main fixing line. The endlap joints between rooflights and fibre cement sheets should be sealed with two continuous runs of 10mm bead cross-linked butyl mastic sealant. The sealant runs should be located within 10mm to 15mm of the fixing line on either side of it. Rooflight to rooflight endlaps should be sealed in the same manner as above but 4mm to 6mm bead should be used. An optional run of gun applied, clear, low modulus, acetoxy or neutral cure silicone sealant may be applied 10mm to 15mm from the leading edge of the overlapping sheet within the joint to prevent dirt ingress.

The sidelap joints should be stitched at maximum 450mm centres with purpose made stitch fasteners such as expanding rubber grommet bolts. On exposed sites or roof pitches below 10° the centres should be reduced to 300mm. The sidelap joints should be sealed with minimum one run of 6mm bead cross-linked butyl mastic sealant located on the weather side of the stitch fasteners.

Note that the expected non-fragility period of rooflights is affected by all components used within the roof assembly and when a specific period of non-fragility is required all components used should have the same degree of durability as the rooflights. This would typically require the use of austenitic stainless steel fasteners and minimum Class A butyl mastic sealant for the rooflight installation.

29.04.2015