Safelight

NBS006

Safelight Outer Sheet
NBS Specification

Consult Brett Martin Daylight Systems early in the design process as we can provide in-depth assistance with design and specification.

Safelight rooflights forming the outer skin of a multiple skin GRP rooflight, compatible with built up cladding systems.

These are the safest rooflights available, with unequalled safety margins that always matches and often exceeds surrounding metal sheets. Sufficiently strong rigid and durable to ensure that inclusion in the roof assembly does not create any additional risk.

Class B non-fragile to ACR[M]001 unmatched rigidity ensures non-fragility will be retained for over 30 years with minimal risk from poor fixing or fixing degradation.

These are the most robust rooflights available, they are undamaged by loads typical of inadvertent foot traffic or a falling person.

These rooflights incorporate Diamond surface protection as standard, providing the greatest resistance to weathering, preserving physical properties and preventing UV discoloration for over 30 years.

All aspects of Safelight rooflight structural performance, non-fragility classification and resistance to discoloration can be expected to be retained for 30 years. Performance warranty available.

Consult Brett Martin Daylight Systems technical literature for further details.

Full NBS Specification clause on Page 2

Brett Martin Daylight Systems operates a policy of continuous product improvement, and reserves the right to alter specifications at any time without notice. Every effort has been taken to ensure all details contained in this document are correct at the time of going to press but this document should be used only as a guide and does not in any way form part of a contract or warranty. It is the customer's responsibility to ensure that the product is suitable for the actual conditions of use, which are beyond the control of Brett Martin Daylight Systems.

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Manufacturer:	Brett Martin Daylight Systems Ltd., Sandford Close, Aldermans Green Industrial Estate, Coventry, CV2 2QU. Tel: 024 7660 2022 Fax: 024 7660 2745. **Email:** daylight@brettmartin.com **Web:** www.brettmartin.com
Product ref:	Safelight outer sheet (of a multiple skin site assembled rooflight), to have full BBA approval.
System type:	To match roof cladding system.
Material:	Natural, clear translucent GRP, 5.5kg/m^2, 3mm thick (tinted sheets available).
Fragility class to ACR[M]001:	To be Class B non-fragile to ACR[M]001 for 30 years and withstand loads typical of inadvertent foot traffic or falling person without damage. To be sufficiently strong, rigid and durable to ensure inclusion in the roof assembly does not create any additional risk. To be available with written performance warranty confirming that Safelight will retain non-fragile classification for at least 30 years.
Accessories:	Not applicable
Primary sheet fasteners:	5.5mm diameter fasteners fitted with large washers with bonded seal, located in the centre of the top flange of the purlin. The use of lightweight washers must be avoided.
Fastener profile location:	Fix through troughs in profile, in accordance with Brett Martin Daylight Systems recommendations, Technical Bulletin 157. Fixings should not be over tightened.
No. of fasteners per sheet width:	Eaves and end laps: Minimum of one per trough, with a maximum of 200mm between each fastener. Intermediate supports: Minimum of 3 fasteners per sheet width.
Endlaps size:	150mm, with the fixings at the centre of the lap.
Side laps stitching:	Stitching screws at approx. 600mm centres on the crown of the corrugation. Safelight to lap over adjacent metal sheets both sides where possible. Elastomer lap bolts to be used where Safelight is lapped under adjacent metal sheets.
Sealing laps:	Sheets overlapped by metal: At end laps 2no. rows of 8mm diameter round section, UV stable, pale coloured cross linked butyl mastic, positioned 25mm above and below the line of fixings. At side laps 6x5mm UV stable, pale coloured cross linked butyl mastic on the crown just outside the line of the fixings. Sheets underlapped by metal: As for sheets overlapped by metal Sheets lapped by plastics: As for sheets overlapped by metal
Special features:	Durability: written performance warranty to be provided that significant discolouration or structural degradation will be prevented and non-fragility classification will be retained for at least 30 years. Rigidity: Maximum deflection 3.2mm under 3-point bending test to BS 2782 Part 10: method 1005 1977 (EN63). Light transmission: 70–75% (Single Skin) UV Protection: DIAMOND surface protection and UV stabilised resin system to protect against discolouration and degradation with guaranteed prevention of significant discolouration for 30 years. Performance proven by accelerated weathering test showing delta E less than 5 and light transmission reduced by less than 5% after 6000 hours exposure to QUV testing, comprising cycles of 4 hours of UVA340nm at 60°C and 4 hours

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condensation at 40°C.
Fire rating: B_{ROOF}(t4) to EN13501-5 (alternative fire ratings available)

BBA certificate number 04/4114



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