



Technical Data Sheet

Multipart Flushglaze Skylight

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Name: Multipart Flushglaze
Type: Fixed flat modular skylight

Description:

The Multipart Flushglaze is a fixed modular product designed to provide maximum daylight with minimum visible internal structure. This product is available in four different configurations:

Self-Supporting

A simple weathertight silicone joint is used between the glazed units.

Back-to-Back

An internal beam formed of two back-to-back angles is used to support the edges of the glazed units at their joints.

Glass-Fin

A heat-strengthened laminated glass fin is used to support the edges of the glazed units at their joints.

Walkable

A walkable product using back-to-back angles to support the edges of the walkable glazed units at their joints.

A variety of optional extras such as special color and easy clean coating are available.

This product is robust and long-lasting, boasting excellent thermal performance and air tightness.

Intended Use: Fixed skylight to provide natural daylight and weather resistance. The product is fixed and does not open. Only walkable units may be walked on.

External Weathered Curb Dimensions of Standard Flushglaze Unit:

Min Section Span:	16"	Max Section Span:	157"
Min Section Width:	16"	Max section Width:	157"
Min Section Area:	1.8 ft ²	Max Section Area:	107.6 ft ²
Min Curb Pitch:	5/8" : 12" (3°)	Max Curb Pitch:	32-7/8" : 12" (70°)

Glazing Vision recommends a pitch of at least 1-1/8 : 12 (5°) for standard units.

External Weathered Curb Dimensions of Walkable Flushglaze Unit:

Min Section Span:	16"	Max Section Span:	157"
Min Section Width:	16"	Max Section Width:	157"
Min Section Area:	1.8 ft ²	Max Section Area:	107.6 ft ²
Min Curb Pitch:	1/4" : 12" (1°)	Max Curb Pitch:	32-7/8" : 12" (70°)

Glazing Vision recommends a pitch of 1/4" : 12" (1°) for walkable units.

Note that the minimum and maximum span, width and pitch are dependent on various factors, your technical sales advisor will be happy to advise on these. Further information on curb requirements and product dimensions can be found on our website or by contacting your technical sales advisor.

Glazing:

A wide variety of glazing specifications are available for this product. Your technical sales advisor will be happy to answer any questions regarding specific glass specifications or glazing performance requirements. Otherwise, quotes include suitable and cost effective glazing proposals. Unless otherwise stated, the default loadings used for specifying walkable glass will be a distributed load of 100 psf and a concentrated load of 450 lbf per a 2" x 2" square area. A variety of anti-slip finishes are available for walkable glass.

Standard Colors:

Qualicoat approved RAL 7015 slate grey outer, where inner framework is visible (back-to-back and walkable units), this is also RAL 7015 as standard.

Performance and Weathertightness:

The aluminum frame of the product employs a dual hardness EPDM insulating gasket to thermally isolate the frame from the interior of the building. Structural integrity is assured through the use of finite element analysis (FEA) and testing.

U-factors are calculated for each product and will be supplied in our quote. Further information and specific performance details can be obtained from your technical sales advisor.

The product is sealed to the curb using silicone and fixed in place with structural fixings which are either concealed by a clip-on cover or with lead (or other material) flashing (wall abutted units) leaving a sleek external finish.

The standard Flushglaze unit has been thoroughly tested and has achieved the following classification results:

Size: 1829 mm (72") span x 3982 mm (156-3/4") width Pitch: 3° (5/8" : 12")

Performance Grade 50 (PG 50)

Test	Standard	Declared Value
Air permeability	ASTM E283	±600 Pa (±12.53 psf)
Watertightness	ASTM E331 and E547	600 Pa (12.53 psf)
Wind resistance	ASTM E330	±2400 Pa (±50.13 psf) Serviceability +4800 Pa (+100.25 psf), -3600 Pa (-75.19 psf) Safety

Optional Extras:

The following optional extras are available for this standard product at additional cost:

Easy Clean Coating:

A coating applied to the external face of the glass that facilitates water run-off. Helps the glass stay cleaner for longer and makes cleaning easier.

Special Color(s):

Self-supporting and glass-fin units have a single color as standard. This can be swapped for a special color. Back-to-back and walkable units have separate inner and outer colors as standard. Each can be swapped for a special color.

Curb Top Trim:

Cover designed to mask the top of curbs which may be visible through glass when viewed from above. Includes detail to recess standard drywall.

Wall Abutments: EPDM:

The product can be fixed and weathered to a wall rather than a curb on up to three sides. A flexible membrane to provide additional waterproofing between the curb and the product. This option is only available for the Walkable Multipart Flushglaze.

A suite of sales drawings is available.

Custom options may be available upon request but may incur additional design fees – contact your technical sales advisor for more information.