

Fastlock Product Datasheet

Product Overview

The NaturaLight FastLock system is a simple and economic unique interlocking glazing system. It is manufactured with a high-quality interlocking aluminium glazing bar system incorporating both std 16mm and enhanced 25mm UV protected structured polycarbonate. This outperforms virtually all other traditional roof glazing system. The system utilises an internal water management drainage system which allows the rooflight to be weathered without the use of gaskets and will also be supplied with fit for purpose perimeter edge flashings to further encapsulate and weather the rooflight application.

Each modular unit is designed to suit specific project requirements. Therefore on site modification is significantly reduced. This system can be used as a replacement for old patent glazing and rooflight applications as well as offering an alternative to new canopies and walkways. FastLock has an integral support structure and its modern interlocking design de-skills the installation process. It can be manufactured to an infinite length with glazing centres generally 1015mm.

In addition, a non-fragile enhanced option is available in 25mm FastLock tested to ACR(M 001: 2005

All aluminium bars are powder coated as standard to any standard RAL colour. The applied coating is to BS 6496 and is 80 – 100 microns thick, which is then baked onto the aluminium to give a lasting and quality finish

Glazing Options

A choice of glazing tints, in clear, opal or bronze are available in 16mm 'X' structure or 25mm 'X' structure polycarbonate, which comply with part L of the building regulations, offering a high impact strength, excellent optical clarity combined with a good fire rating.

Performance

Light transmission:

As Individual Manufacturers Data Sheets

Energy transmission g:

As Individual Manufacturers Data Sheets

'U' Value

As Individual Manufacturers Data Sheets

Fire

B-s1,d0

Wind & Snow Loading

0.7kN/m² standard

1.2kN/m² enhanced

Design Info

- BS 5516 1991: design and installation of patent glazing.
- BS 8118 pt 1 1991: Structural use of aluminium.
- BS 6399 pt 2 1995: code of practice wind loads
- BS 5368 pt 1.4 1994: Method of testing windows
- BS 6375 pt 1 1989: Performance of windows
Classification for weathertightness
- CP3 chap V pt 2: Wind loads
- BS 6399 pt3 1988: Code of practice for imposed roof loadings.

Section Renders



16mm Fastlock



25mm Fastlock