# Impact & fall-through protection – DUCO Ventilation & Sun Control Duco Barrier Load Louvre

## Description

Duco Barrier Load Louvre has several advantages, such as impact and fall-through protection for open windows at great heights and intensive ventilation of the rooms inside the building. At the same time, the louvre blades provide solar shading while blocking out the sun's rays and heat without loss of daylight.

There is a wide choice of versions. There are three options for the angle of the louvre blade (3°, 45° and 55°), the pitch of the louvre blade is freely selectable (up to a maximum of 100 mm) and the frame profiles can be combined into a SlimFrame or a LuxFrame.

## Version

* Shape of blade 60F Barrier Load
* Louvre blade angle 3°

45°

55°

* Pitch According to specification barrier load calculation

Minimum pitch: 50 mm

Maximum pitch: 100 mm

* Frame width

|  |  |
| --- | --- |
| **SlimFrame 11/70** | **LuxFrame 35/70** |
| 11 mm | 35 mm |

* Installation depth 70 mm
* Dimensions Minimum width: 100 mm

Maximum width: 1000 mmm

## Material and surface treatment

* Aluminium EN AW-6063 T66 (EN 573-3)

Profile thickness: min. 1,5 mm

* Finish
  + Polyester powder coated (60-80 μm) according to Qualicoat Seaside type A (specific RAL codes or textured paint on request)

## Technical specifications

### Reaction to fire

AS-s1,d0 (EN 13501-1)

### Impact resistance

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Class** | **Mounted on window profile (frame)** | | | | **Mounted on the four corners** | | |
| **3°** | **45°** | **55°** | | **3°** | **45°** | **55°** |
| **EN 13049** | 5 | 5 | | 5 | No test result available yet | | |
| **NF P08-302** | Q4 | H2 | | H2 |

### Fall-through protection

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Class** | **Mounted on window profile (frame)** | | | **Mounted on the four corners** | | |
| **3°** | **45°** | **55°** | **3°** | **45°** | **55°** |
| **B03-004** | A/B/C4/D | A/B/C4/D | A/B/C4/D | No test result available yet | | |
| **NEN-EN 1991-1-1** | A/B/C4/D | A/B/C4/D | A/B/C4/D |
| **BS 6180** | XI\* | XI\* | XI\* |

\* Check the calculation program for maximum pitch and width.