

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	LuxFrame
11/70	35/70
11 mm	35 mm

- Installation depth 70 mm
- Dimensions Minimum width: 100 mm
 Maximum width: 1000 mm

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.