EXLABESA
ARCHITECTURE

Massive. Beautiful.
Efficient.

ECW-50 VL

Vertical semi-structural curtain wall.

The **ECW-50 VL** semi-structural system brings verticality to any structure by combining exposed and concealed shafts. The exposed aluminium of the vertical axis contrasts with the concealed silicone of the horizontal axis, creating a line between the sashes of glass that becomes the only visual barrier on the façade.

Features

- Double EPDM perimeter seals
- Internal cascade drainage system
- Opening types: projecting and parallel projecting
- Environmental Product Declaration EPD

TECHNICAL FEATURES

Design

The **ECW-50 VL** system brings verticality to any structure with a combination of exposed and concealed shafts. Exposed aluminium is present on its vertical axis, drawing a line between the panes of glass that becomes the only visual barrier in the façade.

Features

In the **ECW-50 VL** stick system, the lenses are held in place vertically by a system of screw caps and a clean joint is created horizontally by the use of structural silicone. It also has a double EPDM perimeter seal.

Benefits

The air permeability, watertightness and wind load resistance tests of the **ECW-50 VL** system confirm its outstanding performance, achieving Class AE, RE1500 and Suitable (1500 Pa) ratings. This semi-structural curtain wall solution also guarantees maximum safety and has an internal cascade drainage system to ensure proper water drainage to the outside.

Possibilities

The **ECW-50 VL** system offers a maximum glazing of 39 mm, a thermal break of 28 mm and two integrated opening types (projecting and parallel projecting). Both the finish of the assembly and the depth of the crossbars and uprights vary according to the requirements of each project.

Horizontal aesthetics	Sealed 20 mm
Vertical aesthetics	Range of caps
Visible interior width	50 mm
Maximum glazing	41 mm
Thermal break	22-28 mm
Maximum weight of projecting windows	180 kg
Thermal insulation U_{cw}*	Up to 1,8 W/m²K
Thermal insulation U_f	2,9 / 1,7 W/m²K

Weather test results for a sample size of 2750x6250 mm
* For a module of 4340x2470 mm

Air permeability ▶ Class AE

A1 A2 A3 A4 AE

Watertightness ▶ Class RE1500

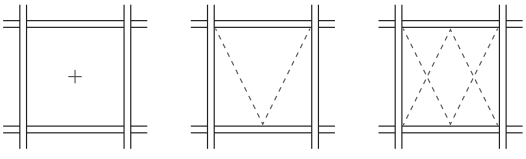
R4 R5 R6 R7 RE1500

Wind load ▶ OK 1500 Pa

OK

Acoustic insulation Rw

37 dB(-3;-7)



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