

WICONA

by  Hydro



Aluminium solutions for façades,
windows, doors and sliding elements

WICLINE 115 AFS

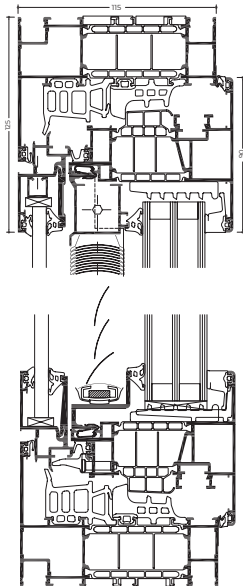
» Composite window system

ALUMINIUM PROFILE SYSTEMS

» WICLINE 115 AFS Composite window system

With its new composite window system WICLINE 115 AFS, WICONA provides architects, planners and fabricators the solution for sophisticated projects with particularly high demands on thermal performance, acoustic insulation and sun protection – suited for both new build and renovations.

The WICLINE 115 AFS composite window system combines an internal and external sash, creating a cavity between the two, which improves the system’s thermal and acoustic performance without additional measures.



System test results / CE product pass in accordance with EN 14351-1:2010-08

Description	Standard	Class
Thermal insulation U _f (K)	EN ISO 10077-21.1	- 1.3 W/(m ²)
Thermal insulation U _f (K)	EN ISO 10077-1	below 0.80 W/(m ²)
Sound insulation R _w (C;Ctr)	EN ISO 717-1	up to 50 (-1;-4) dB
Air tightness	EN 122074	
Water tightness	EN 12208	up to E1200
Wind tightness	EN 12210	up to C5/B5
Mechanical durability	EN 13115	up to 4
Durability repeat opening	EN 12400	up to 3

* for a window size of 1230 mm x 1480 mm and U_g = 0.6 W/(m²K), psi = 0.031 W/(mK)



Technical performance:

Profile technology:

- Profile depth: 115 mm
- Construction depth: 125 or 135 mm
- Infill thickness up to 48 mm (58 mm) and up to 100 mm with fixed glazing
- Pressure compensation of the cavity
- Optimised condensation performance within the cavity, officially confirmed by CSTB Institute in France (Centre Scientifique et Technique du Bâtiment)
- Concealed blind system which is protected against weather conditions and dirt, no daylight penetration on the sides
- Highest operating comfort
- Easy installation, maintenance and cleaning due to independently operable outer sash
- Optional sash with universal zone for sun protection

Profile sightlines:

- Frame profiles from 84 mm up to 94 mm
- Transom profile from 128 mm up to 158 mm
- Sash profile 35 mm

Thermal performance:

U_w values below 0.80 W/(m²K) with a 115-mm frame depth and a sleek sight line of only 125 mm, a unit size of 1230 mm x 1480 mm and U_g value of 0.60 W/(m²K) at 0.031 W/(mK) psi

Sound insulation:

- Up to 50 dB (Sound insulation glazing inside, single glazing outside)
- Up to 43 dB (Insulated glazing inside, single glazing outside)

Hardware:

High quality concealed hardware with DPS (Direct Positioning System). Components can be installed in any order. Sash weights up to 200 kg with visible or concealed hinges
Sash weight up to 200 kg
Sash sizes (w x h): up to 1200 mm x 2500 mm

Opening types:

Turn, turn-tilt, tilt, tilt-first, fixed field

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