

VEXTRALU

Technical Reference

Frame width, wall thickness and glazing specification for all 14 aluminum window, door and curtain wall systems.

How to read this reference

Each system is listed with its frame width and aluminum wall thickness — the two figures that determine load capacity and which glazing build-up the profile accepts. “IGU” denotes an insulated glass unit (double glazing); single-figure glazing values are single tempered panes. Use the “Best for” column as a starting point, then confirm against your specific opening dimensions and local wind/thermal code before ordering.

Windows

Series	Type	Frame width	Wall thickness	Glazing	Opening mechanism	Best for
38	Casement window	38mm	1.0–1.5mm	5–6mm single tempered	Side-hung casement	Residential glazing, modest span
75WQ	Sliding window	75mm	1.2mm	5–6mm single tempered	Two-track horizontal slider	Openings where a swing sash competes with layout
AP50	Casement window	50mm	1.4mm	5mm single or 5+12A+5mm IGU	Side-hung casement	Mid-weight residential glazing
86A	Sliding window / door	86mm	1.4–2.0mm	5mm single or 5+12A+5mm IGU	Heavy 2/3-track slider	Scales from window to full sliding door
GWB55	Thermal break casement	55mm	1.4mm	5+12A+5mm IGU	Side-hung, polyamide thermal break	Climates that punish a cold frame
GP75F	Thermal break casement	75mm	1.6mm	5+12A+5mm IGU	Side-hung, polyamide thermal break	Taller sash heights, larger single lights
GP88E	Tilt & turn window	88mm	1.6mm	5+12A+5mm IGU	Dual-action tilt & turn	Secure ventilation plus full opening
GP110D	Thermal break casement	110mm	1.4mm	5+12A+5mm IGU	Side-hung, polyamide thermal break	High wind load or large panel size
GTL118	Double hung window	118mm	1.6mm	5+20A+5mm IGU	Vertical double hung	Deepest glazing pocket in the range

Doors

Series	Type	Frame width	Wall thickness	Glazing	Opening mechanism	Best for
46	Pivot door	100mm	2.0mm	12mm single or 5+12A+5mm IGU	Offset pivot	Statement entries
80ZD	Bi-fold door	80mm	2.0mm	5+12A+5mm IGU	Folding / concertina	Full-wall opening onto terrace or garden

Series	Type	Frame width	Wall thickness	Glazing	Opening mechanism	Best for
GTM140	Sliding door	140mm	2.0mm	5+12A+5mm IGU	Heavy-track slider	Wide spans, living space to outdoors
GZD78	Bi-fold door	140mm	2.0mm	5+12A+5mm IGU	Folding / concertina, narrow stile	Openings where sightlines matter

Facade

Series	Type	Frame width	Wall thickness	Glazing	Opening mechanism	Best for
140AH	Structural curtain wall	140mm	3.0mm	5+12A+5mm IGU	Mullion & transom	Multi-storey glazed elevations, high wind/dead load

Finishes & ordering

All systems are available in standard powder-coat or anodised finishes, with custom RAL colour matching on request. Minimum order quantities and lead times vary by series and finish — confirm current availability when you submit an opening for quotation.

To request a quotation, share the opening dimensions, load conditions and glazing intent for your project via vextralu.com, and a system recommendation with an itemised spec sheet will follow.

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