

Frame extension elements for aluminium windows Standard

CHIPBOARD

Cover panel and surface	Chipboard P5, E1, untreated, 10 mm (PEFC-certified)
Thermal insulation	PUR rigid foam, 32 kg/m ³ , 20–54 mm Polystyrene rigid foam with graphite additive (EPS lambda), 25 kg/m ³ , 55–92 mm
Vapour barrier	Aluminium shell on one side, internal vapour barrier required
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce pine, circumferential (PEFC-certified) Special edge bands can be inset according to your requirements
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications
Thicknesses	Thicknesses from 40 to 112 mm can be produced For thicknesses of 113 mm and more, see extension elements for wooden lifting sliding doors
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 40 to 112 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	40	50	54	58	64	68	70	74	80	84	94	104	112
Cover panel thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	20	30	34	38	44	48	50	54	60	64	74	84	92
U-value	W/m ² K	0.846	0.619	0.559	0.509	0.449	0.417	0.402	0.376	0.420	0.397	0.349	0.312	0.287
Airborne sound insulation	28 dB, element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	15.4	15.7	15.9	16.0	16.2	16.3	16.4	16.5	16.3	16.4	16.5	16.9	17.1

Cover panel and surface	Chipboard P5, E1, untreated, 16 mm (PEFC-certified)
Thermal insulation	PUR rigid foam, 32 kg/m³, 12–54 mm Polystyrene rigid foam with graphite additive (EPS lambda), 25 kg/m³, 55–80 mm
Vapour barrier	Water-resistant D3 (EN 204-D3)
Bonding	Aluminium shell on one side, internal vapour barrier required
Edge band	Spruce pine, circumferential (PEFC-certified) Special edge bands can be inset according to your requirements
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications
Thicknesses	Thicknesses from 44 to 112 mm can be produced For thicknesses of 113 mm and more, see extension elements for wooden lifting sliding doors
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 44 to 112 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	44	50	54	58	64	68	70	74	80	84	94	104	112
Cover panel thickness	mm	16	16	16	16	16	16	16	16	16	16	16	16	16
Thermal insulation thickness	mm	12	18	22	26	32	36	38	42	48	52	62	72	80
U-value	W/m²K	1.087	0.847	0.738	0.654	0.559	0.509	0.488	0.450	0.402	0.376	0.394	0.347	0.317
Airborne sound insulation	33 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	23.3	23.5	23.6	23.7	23.9	24.0	24.1	24.2	24.4	24.5	24.4	24.7	24.9

PLYWOOD

Cover panel and surface	Plywood panel AW100, untreated, 12 mm
Thermal insulation	PUR rigid foam, 32 kg/m³, 16–54 mm Polystyrene rigid foam with graphite additive (EPS lambda), 25 kg/m³, 55–88 mm
Vapour barrier	Aluminium shell on one side, internal vapour barrier required
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce pine, circumferential (PEFC-certified) Special edge bands can be inset according to your requirements
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications
Thicknesses	Thicknesses from 40 to 112 mm can be produced For thicknesses of 113 mm and more, see extension elements for wooden lifting sliding doors
Formats	All formats from 500 × 95 mm to 3088 × 1294 mm can be produced

Element thicknesses from 40 to 112 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	40	50	54	58	64	68	70	74	80	84	94	104	112
Cover panel thickness	mm	12	12	12	12	12	12	12	12	12	12	12	12	12
Thermal insulation thickness	mm	16	26	30	34	40	44	46	50	56	60	70	80	88
U-value	W/m²K	0.952	0.673	0.603	0.546	0.478	0.441	0.425	0.395	0.438	0.413	0.361	0.321	0.295
Airborne sound insulation	28 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	12.5	12.8	13.0	13.1	13.3	13.4	13.5	13.6	13.4	13.5	13.8	14.0	14.2