

**Frame extension elements for wooden and wood-metal windows
Standard**

UNTREATED

Cover panel and surface	Chipboard P5, E1, untreated, 10 mm (PEFC-certified)
Thermal insulation	PUR rigid foam, 32 kg/m³, 20–92 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood available; 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 Special CNC processing like cut-outs, round and segment arches or surface finishing like ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 40 mm 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
Thickness cover panel	mm	10	10	10	10	10	10	10	10	10	10	10	10	10
Thickness thermal insulation	mm	20	30	34	38	44	48	50	54	60	64	74	84	92
U-value	W/m²K	0.846	0.619	0.559	0.509	0.449	0.417	0.402	0.376	0.342	0.323	0.283	0.252	0.232
Airborne sound insulation	28 dB , element thickness: 54 mm; test surface: 2.3 m² (download test reports)													
Weight	kg/m²	15.4	15.7	15.9	16.0	16.2	16.3	16.4	16.5	16.7	16.8	17.1	17.5	17.7

Cover panel and surface	Chipboard P5, E1, untreated, 16 mm (PEFC-certified)
Thermal insulation	PUR rigid foam, 32 kg/m³, 12–80 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood available; 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 Special CNC processing like cut-outs, round and segment arches or surface finishing like ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 44 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 44 mm, see infill for wooden windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 44 mm 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
Thickness cover panel	mm	16	16	16	16	16	16	16	16	16	16	16	16	16
Thickness thermal insulation	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	0.323	0.283	0.258
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	24.8	25.2	25.4

PRIMER FOIL

Cover panel and surface	Chipboard P5, E1, with white primer foil, 10 mm (PEFC-certified)
Thermal insulation	PUR rigid foam, 32 kg/m³, 20–92 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood available; 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 Special CNC processing like cut-outs, round and segment arches or surface finishing like ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 40 mm 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
Thickness cover panel	mm	10	10	10	10	10	10	10	10	10	10	10	10	10
Thickness thermal insulation	mm	20	30	34	38	44	48	50	54	60	64	74	84	92
U-value	W/m²K	0.846	0.619	0.559	0.509	0.449	0.417	0.402	0.376	0.342	0.323	0.283	0.252	0.232
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	16.7	16.8	17.1	17.5	17.7

Cover panel and surface	Chipboard P5, E1, with white primer foil, 16 mm (PEFC-certified)
Thermal insulation	PUR rigid foam, 32 kg/m³, 12–80 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood available; 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 Special CNC processing like cut-outs, round and segment arches or surface finishing like ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 44 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 44 mm, see infill for wooden windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 44 mm 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
Thickness cover panel	mm	16	16	16	16	16	16	16	16	16	16	16	16	16
Thickness thermal insulation	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	0.323	0.283	0.258
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	24.8	25.2	25.4

Cover panel and surface	Medium-density fibreboard (MDF) P3, E1, with white primer foil, 10 mm
Thermal insulation	PUR rigid foam, 32 kg/m³, 20–92 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood available; 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 Special CNC processing like cut-outs, round and segment arches or surface finishing like ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 40 mm 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
Thickness cover panel	mm	10	10	10	10	10	10	10	10	10	10	10	10	10
Thickness thermal insulation	mm	20	30	34	38	44	48	50	54	60	64	74	84	92
U-value	W/m²K	0.806	0.597	0.541	0.495	0.438	0.407	0.393	0.368	0.336	0.317	0.279	0.249	0.229
Airborne sound insulation	28 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	16.0	16.4	16.5	16.6	16.8	16.9	17.0	17.1	17.3	17.4	17.7	18.1	18.3

VENEERED

Cover panel and surface	Chipboard P5, E1, 10 mm, with real wood veneer, 1 mm (PEFC-certified) All types of real wood veneers available: spruce, pine, larch, fir, oak, etc. (FSC- or PEFC-certified) Veneer quality A/B (inside A/outside B) or A/A (inside A/outside A)
Thermal insulation	PUR rigid foam, 32 kg/m³, 18–90 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood available; 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 Special CNC processing like cut-outs, round and segment arches or surface finishing like ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 40 mm 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
Thickness cover panel	mm	10	10	10	10	10	10	10	10	10	10	10	10	10
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1	1	1
Thickness thermal insulation	mm	18	28	32	36	42	46	48	52	58	62	72	82	90
U-value	W/m²K	0.902	0.648	0.582	0.529	0.465	0.430	0.414	0.387	0.351	0.331	0.289	0.257	0.236
Airborne sound insulation	28 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	16.7	17.2	17.2	17.3	17.5	17.6	17.7	17.8	18.0	18.1	18.4	18.8	19.0

Cover panel and surface	Chipboard P5, E1, 16 mm, with real wood veneer, 1 mm (PEFC-certified) All types of real wood veneers available: spruce, pine, larch, fir, oak, etc. (FSC- or PEFC-certified) Veneer quality A/B (inside A/outside B) or A/A (inside A/outside A)
Thermal insulation	PUR rigid foam, 32 kg/m³, 18–78 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood available; 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 Special CNC processing like cut-outs, round and segment arches or surface finishing like ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 46 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 46 mm, see infill for wooden windows
Formats	All formats from 500 mm × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 46 mm to 112 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	46	50	54	58	64	68	70	74	80	84	94	104	112
Thickness cover panel	mm	16	16	16	16	16	16	16	16	16	16	16	16	16
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1	1	1
Thickness thermal insulation	mm	12	16	20	24	30	34	36	40	46	50	60	70	78
U-value	W/m²K	1.071	0.903	0.780	0.687	0.583	0.529	0.506	0.465	0.415	0.387	0.331	0.289	0.263
Airborne sound insulation	33 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	24.6	24.7	24.8	25.0	25.2	25.3	25.4	25.5	25.7	25.8	26.1	26.5	26.7