

Frame extension elements for aluminium windows

Sound insulation

CHIPBOARD FOR SOUND INSULATION 1

Cover panel and surface	Chipboard P5, E1, untreated, 10 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m³, 15–87 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, 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 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
Cover panel thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	15	25	29	33	39	43	45	49	55	59	69	79	87
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	1.331	0.964	0.868	0.790	0.696	0.645	0.622	0.580	0.528	0.498	0.436	0.388	0.356
Airborne sound insulation	38 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	25.1	25.3	25.4	25.4	25.6	25.6	25.7	25.7	25.8	26.0	26.2	26.4	26.5

Cover panel and surface	Chipboard P5, E1, untreated, 16 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m³, 17–75 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, 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 54 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 54 mm, see infill for wooden windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 54 mm to 112 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	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
Thermal insulation thickness	mm	17	21	27	31	33	37	43	47	57	67	75
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	1.118	0.992	0.847	0.773	0.740	0.682	0.611	0.571	0.491	0.431	0.392
Airborne sound insulation	40 dB , element thickness: 64 mm; test surface: 1.9 m ² (download test reports)											
Weight	kg/m ²	33.2	33.3	33.4	33.5	33.5	33.6	33.7	33.8	34.0	34.2	34.4

CHIPBOARD FOR SOUND INSULATION 2

Cover panel and surface	Chipboard P5, E1, untreated, 10 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m³, 10–82 mm
Sound insulation	2 pieces of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, 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 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
Cover panel thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	10	20	24	28	34	38	40	44	50	54	64	74	82
Sound insulation thickness	mm	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5
U-value	W/m²K	1.617	1.106	0.982	0.883	0.767	0.705	0.678	0.629	0.568	0.533	0.463	0.409	0.374
Airborne sound insulation	40 dB, element thickness: 54 mm; test surface: 2.3 m² (download test reports)													
Weight	kg/m ²	35.0	35.2	35.3	35.4	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.3	36.4

Cover panel and surface	Chipboard P5, E1, untreated, 16 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m³, 12–70 mm
Sound insulation	2 pieces of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, 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 54 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 54 mm, see infill for wooden windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 54 mm to 112 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	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
Thermal insulation thickness	mm	12	16	22	26	28	32	38	42	52	62	70
Sound insulation thickness	mm	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5
U-value	W/m²K	1.313	1.142	0.955	0.861	0.821	0.750	0.665	0.618	0.525	0.457	0.413
Airborne sound insulation	43 dB, element thickness: 64 mm; test surface: 1.9 m² (download test reports)											
Weight	kg/m ²	43.1	43.2	43.3	43.4	43.4	43.5	43.6	43.7	43.9	44.1	44.3

PLYWOOD FOR SOUND INSULATION 1

Cover panel and surface	Plywood board AW100, untreated, 12 mm
Thermal insulation	Glass wool, 20 kg/m ³ , 15–83 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, 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 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 3088 × 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
Cover panel thickness	mm	12	12	12	12	12	12	12	12	12	12	12	12	12
Thermal insulation thickness	mm	15	21	25	29	35	39	41	45	51	55	65	75	83
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	1.261	1.037	0.927	0.838	0.733	0.676	0.651	0.606	0.549	0.517	0.450	0.399	0.365
Airborne sound insulation	38 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	22.3	22.4	22.5	22.6	22.7	22.8	22.8	22.9	23.0	23.0	23.3	23.5	23.6

PLYWOOD FOR SOUND INSULATION 2

Cover panel and surface	Plywood board AW100, untreated, 12 mm
Thermal insulation	Glass wool, 20 kg/m³, 10–78 mm
Sound insulation	2 pieces of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, 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 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 3088 × 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
Cover panel thickness	mm	12	12	12	12	12	12	12	12	12	12	12	12	12
Thermal insulation thickness	mm	10	16	20	24	30	34	36	40	46	50	60	70	78
Sound insulation thickness	mm	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5	2×5
U-value	W/m²K	1.514	1.202	1.057	0.943	0.812	0.743	0.713	0.659	0.592	0.555	0.479	0.421	0.384
Airborne sound insulation	40 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	32.2	32.3	32.4	32.5	32.6	32.7	32.7	32.8	32.9	33.0	33.2	33.4	33.6