

Frame extension elements for wooden and wood-metal windows
Moisture-resistant and with sound insulation

SOUND INSULATION 1 UNTREATED

Cover panel and surface	Plywood panel AW100, untreated, 12 mm
Thermal insulation	Glass wool, 20 kg/m³, 15–83 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce pine, circumferential (PEFC-certified) Other types of wood are 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, such as cut-outs and round and segment arches, and surface finishing, such as ventilation slots or surface grooves, are also possible
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 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 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	0.928	0.838	0.733	0.677	0.651	0.606	0.549	0.517	0.450	0.399	0.366
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	22.7	22.8	22.9	23.0	23.0	23.2	23.4	23.6

SOUND INSULATION 2 UNTREATED

Cover panel and surface	Plywood panel 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 pine, circumferential (PEFC-certified) Other types of wood are 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, such as cut-outs and round and segment arches, and surface finishing, such as ventilation slots or surface grooves, are also possible
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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	1.515	1.203	1.058	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	32.6	32.7	32.8	32.9	33.0	33.1	33.3	33.5

SOUND INSULATION 1 PRIMER FOIL

Cover panel and surface	Plywood panel AW100, with white primer foil, 9 mm
Thermal insulation	Glass wool, 20 kg/m³, 15–83 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce pine, circumferential (PEFC-certified) Other types of wood are 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, such as cut-outs and round and segment arches, and surface finishing, such as ventilation slots or surface grooves, are also possible
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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	9	9	9	9	9	9	9	9	9	9	9	9	9
Thermal insulation thickness	mm	21	27	31	35	41	45	47	51	57	61	71	81	89
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	0.823	0.677	0.590	0.548	0.480	0.443	0.426	0.397	0.360	0.338	0.295	0.261	0.240
Airborne sound insulation	38 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	23.6	23.8	24.0	24.1	24.2	24.3	24.4	24.5	24.8	24.9	25.2	25.5	25.8

SOUND INSULATION 2 PRIMER FOIL

Cover panel and surface	Plywood panel AW100, with white primer foil, 9 mm
Thermal insulation	Glass wool, 20 kg/m³, 10–78 mm
Sound insulation	2 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce pine, circumferential (PEFC-certified) Other types of wood are 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, such as cut-outs and round and segment arches, and surface finishing, such as ventilation slots or surface grooves, are also possible
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Element thickness	mm	44	50	54	58	64	68	70	74	80	84	94	104	112
Cover panel thickness	mm	9	9	9	9	9	9	9	9	9	9	9	9	9
Thermal insulation thickness	mm	16	22	26	30	36	40	42	46	52	56	66	76	84
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	0.992	0.788	0.693	0.619	0.533	0.487	0.468	0.432	0.389	0.364	0.314	0.276	0.252
Airborne sound insulation	40 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	33.4	33.6	33.8	33.9	34.1	34.2	34.3	34.4	34.6	34.7	35.1	35.4	35.6

SOUND INSULATION 1 VENEERED

Cover panel and surface	Plywood panel AW100, 12 mm, with real wood veneer, 1 mm 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	Glass wool, 20 kg/m³, 13–81 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce pine, circumferential (PEFC-certified) Other types of wood are 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, such as cut-outs and round and segment arches, and surface finishing, such as ventilation slots or surface grooves, are also possible
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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
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1	1	1
Thermal insulation thickness	mm	13	19	23	27	33	37	39	43	49	53	63	73	81
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	1.335	1.086	0.966	0.870	0.757	0.697	0.670	0.622	0.562	0.529	0.459	0.406	0.371
Airborne sound insulation	38 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	23.2	23.3	23.4	23.5	23.6	23.6	23.7	23.8	23.9	23.9	24.1	24.3	24.5

SOUND INSULATION 2 VENEERED

Cover panel and surface	Plywood panel AW100, 12 mm, with real wood veneer, 1 mm 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	Glass wool, 20 kg/m³, 8–76 mm
Sound insulation	2 pieces of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce pine, circumferential (PEFC-certified) Other types of wood are 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, such as cut-outs and round and segment arches, and surface finishing, such as ventilation slots or surface grooves, are also possible
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Cover panel thickness	mm	12	12	12	12	12	12	12	12	12	12	12	12	12
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1	1	1
Thermal insulation thickness	mm	8	14	18	22	28	32	34	38	44	48	58	68	76
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	1.621	1.269	1.109	0.983	0.842	0.768	0.736	0.678	0.608	0.569	0.489	0.429	0.394
Airborne sound insulation	40 dB , element thickness: 54 mm; test surface: 2.3 m ² (download test reports)													
Weight	kg/m ²	33.1	33.2	33.3	33.4	33.5	33.6	33.6	33.7	33.8	33.9	34.0	34.2	34.4