

Frame extension elements for aluminium lifting sliding doors

Sound insulation

SOUND INSULATION 1 CHIPBOARD

Cover panel and surface	Chipboard P5, E1, untreated, 10 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m ³ , 80–200 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Plywood, circumferential 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 100 to 220 mm can be produced For thicknesses below 100 mm, see frame extension elements for wooden and wood-metal windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 100 to 220 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	100	110	120	130	140	150	160
Cover panel thickness	mm	10	10	10	10	10	10	10
Thermal insulation thickness	mm	80	90	100	110	120	130	140
U-value	W/m ² K	0,395	0,347	0,315	0,289	0,267	0,248	0,232
Airborne sound insulation	40 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)							
Weight	kg/m ²	16,1	16,3	16,5	16,6	16,8	17,0	17,1

Element thickness	mm	170	180	190	200	210	220
Cover panel thickness	mm	10	10	10	10	10	10
Thermal insulation thickness	mm	150	160	170	180	190	200
U-value	W/m ² K	0,217	0,205	0,193	0,183	0,174	0,166
Airborne sound insulation	40 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)						
Weight	kg/m ²	17,3	17,5	17,6	17,8	18,0	18,1

SOUND INSULATION 2 CHIPBOARD

Cover panel and surface	Chipboard P5, E1, untreated, 10 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m ³ , 75–195 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Plywood, circumferential 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 100 to 220 mm can be produced For thicknesses below 100 mm, see frame extension elements for wooden and wood-metal windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 100 to 220 mm can be produced. For further U-value calculations, please contact our consultants.								
Element thickness	mm	100	110	120	130	140	150	160
Cover panel thickness	mm	10	10	10	10	10	10	10
Thermal insulation thickness	mm	75	85	95	105	115	125	135
Sound insulation thickness	mm	5	5	5	5	5	5	5
U-value	W/m ² K	0,406	0,363	0,329	0,301	0,277	0,257	0,239
Airborne sound insulation	46 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)							
Weight	kg/m ²	26,1	26,2	26,4	26,6	26,7	26,9	27,0

Element thickness	mm	170	180	190	200	210	220
Cover panel thickness	mm	10	10	10	10	10	10
Thermal insulation thickness	mm	145	155	165	175	185	195
Sound insulation thickness	mm	5	5	5	5	5	5
U-value	W/m ² K	0,224	0,210	0,199	0,188	0,178	0,170
Airborne sound insulation	46 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)						
Weight	kg/m ²	27,2	27,4	27,5	27,7	27,9	28,0

SOUND INSULATION 1 PLYWOOD

Cover panel and surface	Plywood panel AW100, untreated, 12 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m ³ , 76–196 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Plywood, circumferential 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 100 to 220 mm can be produced For thicknesses below 100 mm, see frame extension elements for wooden and wood-metal windows
Formats	All formats from 500 × 95 mm to 3088 × 1294 mm can be produced

Element thicknesses from 100 to 220 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	100	110	120	130	140	150	160
Cover panel thickness	mm	12	12	12	12	12	12	12
Thermal insulation thickness	mm	76	86	96	106	116	126	136
U-value	W/m ² K	0,396	0,356	0,323	0,296	0,273	0,253	0,236
Airborne sound insulation	40 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)							
Weight	kg/m ²	13,3	13,4	13,6	13,8	13,9	14,1	14,3

Element thickness	mm	170	180	190	200	210	220
Cover panel thickness	mm	12	12	12	12	12	12
Thermal insulation thickness	mm	146	156	166	176	186	196
U-value	W/m ² K	0,221	0,208	0,196	0,186	0,176	0,168
Airborne sound insulation	40 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)						
Weight	kg/m ²	14,4	14,6	14,8	15,0	15,1	15,3

SOUND INSULATION 2 PLYWOOD

Cover panel and surface	Plywood panel AW100, untreated, 12 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m ³ , 71–191 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Plywood, circumferential 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
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Element thicknesses from 100 to 220 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	100	110	120	130	140	150	160
Cover panel thickness	mm	12	12	12	12	12	12	12
Thermal insulation thickness	mm	71	81	91	101	111	121	131
Sound insulation thickness	mm	5	5	5	5	5	5	5
U-value	W/m ² K	0,418	0,373	0,337	0,308	0,283	0,262	0,243
Airborne sound insulation	40 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)							
Weight	kg/m ²	23,2	23,4	23,5	23,7	23,9	24,0	24,2

Element thickness	mm	170	180	190	200	210	220
Cover panel thickness	mm	12	12	12	12	12	12
Thermal insulation thickness	mm	141	151	161	171	181	191
Sound insulation thickness	mm	5	5	5	5	5	5
U-value	W/m ² K	0,228	0,214	0,201	0,190	0,181	0,172
Airborne sound insulation	40 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)						
Weight	kg/m ²	24,3	24,5	24,7	24,8	25,0	25,2