

Frame extension elements for wooden and wood-metal lifting sliding doors 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/m ³ , 89–196 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 Special CNC processing, such as cut-outs, ventilation slots or surface grooves, is also possible
Thicknesses	Thicknesses from 113 to 220 mm can be produced For thicknesses below 113 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 113 to 220 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover panel thickness	mm	12	12	12	12	12	12	12	12	12	12	12	12
Thermal insulation thickness	mm	89	96	106	116	126	136	146	156	166	176	186	196
U-value	W/m²K	0.362	0.337	0.308	0.283	0.262	0.243	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	23.7	23.8	24.0	24.2	24.4	24.6	24.8	25.0	25.2	25.4	25.6	25.8

SOUND INSULATION 2 UNTREATED

Cover panel and surface	Plywood panel AW100, untreated, 12 mm
Thermal insulation	Glass wool, 20 kg/m ³ , 84–191 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 Special CNC processing, such as cut-outs, ventilation slots or surface grooves, is also possible
Thicknesses	Thicknesses from 113 to 220 mm can be produced For thicknesses below 113 mm, see frame extension elements for wooden and wood-metal windows
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Element thicknesses from 113 to 220 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover panel thickness	mm	12	12	12	12	12	12	12	12	12	12	12	12
Thermal insulation thickness	mm	84	91	101	111	121	131	141	151	161	171	181	191
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	0.380	0.353	0.321	0.294	0.271	0.252	0.235	0.220	0.207	0.195	0.185	0.176
Airborne sound insulation	46 dB , element thickness: 165 mm; test surface: 1.9 m ² (download test reports)												
Weight	kg/m ²	33.6	33.7	33.9	34.1	34.3	34.5	34.7	34.9	35.1	35.3	35.5	35.7

SOUND INSULATION 1 PRIMER FOIL

Cover panel and surface	Plywood panel AW100 with white primer foil, 8 mm
Thermal insulation	Glass wool, 20 kg/m ³ , 97–204 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 Special CNC processing, such as cut-outs, ventilation slots or surface grooves, is also possible
Thicknesses	Thicknesses from 113 to 220 mm can be produced For thicknesses below 113 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

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Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover panel thickness	mm	9	9	9	9	9	9	9	9	9	9	9	9
Thermal insulation thickness	mm	97	104	114	124	134	144	154	164	174	184	194	204
U-value	W/m ² K	0,328	0,308	0,283	0,262	0,243	0,228	0,214	0,201	0,190	0,181	0,172	0,164
Airborne sound insulation	40 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)												
Weight	kg/m ²	13,4	13,6	13,8	14,0	14,2	14,4	14,6	14,8	15,0	15,2	15,4	15,6

SOUND INSULATION 2 PRIMER FOIL

Cover panel and surface	Plywood panel AW100 with white primer foil, 8 mm
Thermal insulation	Glass wool, 20 kg/m ³ , 92–199 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 Special CNC processing, such as cut-outs, ventilation slots or surface grooves, is also possible
Thicknesses	Thicknesses from 113 to 220 mm can be produced For thicknesses below 113 mm, see frame extension elements for wooden and wood-metal windows
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Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover panel thickness	mm	8	8	8	8	8	8	8	8	8	8	8	8
Thermal insulation thickness	mm	92	99	109	119	129	139	149	159	169	179	189	199
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m ² K	0,343	0,321	0,294	0,271	0,252	0,235	0,220	0,207	0,195	0,185	0,176	0,167
Airborne sound insulation	46 dB, element thickness: 165 mm; test surface: 1.9 m ² (download test reports)												
Weight	kg/m ²	23,3	23,5	23,7	23,9	24,1	24,3	24,5	24,7	24,9	25,1	25,3	25,5

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, 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, 87–194 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 Special CNC processing, such as cut-outs, ventilation slots or surface grooves, is also possible
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Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover panel thickness	mm	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
Thermal insulation thickness	mm	87	94	104	114	124	134	144	154	164	174	184	194
U-value	W/m²K	0.376	0.342	0.312	0.286	0.265	0.246	0.230	0.216	0.203	0.192	0.182	0.173
Airborne sound insulation	40 dB , element thickness: 165 mm; test surface: 1.9 m² (download test reports)												
Weight	kg/m²	24.6	24.7	24.9	25.1	25.3	25.5	25.7	25.9	26.1	26.3	26.5	26.7

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, 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, 82–189 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 Special CNC processing, such as cut-outs, ventilation slots or surface grooves, is also possible
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Cover panel thickness	mm	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
Thermal insulation thickness	mm	87	94	104	114	124	134	144	154	164	174	184	194
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	0.386	0.359	0.325	0.298	0.274	0.254	0.237	0.222	0.209	0.197	0.187	0.177
Airborne sound insulation	46 dB , element thickness: 165 mm; test surface: 1.9 m² (download test reports)												
Weight	kg/m²	34.5	34.6	34.8	35.0	35.2	35.4	35.6	35.8	36.0	36.2	36.4	36.6

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