

Frame extension elements for wooden and wood-metal lifting sliding doors Sound insulation

SOUND INSULATION 1 UNTREATED

Cover panel and surface	Chipboa	rd P5, E	1, untre	ated, 10) mm (P	EFC-cer	tified)						
Thermal insulation	Glass wo	ool, 20 kg	g/m³, 93	–200 m	m								
Bonding	Water-res	sistant D3	3 (EN 20	4-D3)									
Edge band	Plywood Special ed	•			ding to yo	our require	ements						
Edge milling	All possil Special CN		• •						•	•	•	•	
Thicknesses	Thicknes For thickness								nd wood-	metal win	dows		
Formats	All forma	ts from	500 × 95	5 mm to	3588 ×	1294 m	m can b	e produ	ced				
Element thicknesses from 113	3 mm to 22	20 mm ca	an be pro	oduced.	For furth	ner U-val	ue calcu	lations, p	olease co	ontact ou	ır consul	Itants.	
Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover board thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	93	100	110	120	130	140	150	160	170	180	190	200

40 dB, element thickness: 165 mm; test surface: 1.9 m² (download test reports)

W/m²K 0.337 0.315 0.289 0.267 0.248 0.232 0.217 0.205 0.193 0.183 0.174 0.166

16.6 16.7 16.9 17.1 17.3 17.5 17.7 17.8 18.0 18.2 18.4 18.6

SOUND INSULATION 2 UNTREATED

U-value

Weight

Airborne sound insulation

Cover panel and surface	Chipboard P5, E1, untreated, 10 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m³, 88–195 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 Special CNC processing such as cut-outs, or surface finishing such as ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 113 mm 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
	12 mm to 200 mm can be readuled. For further II value adjuilations, places centest our consultants

Element thicknesses from 113 mm 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 board thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	88	95	105	115	125	135	145	155	165	175	185	195
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	0.352	0.329	0.301	0.277	0.257	0.239	0.224	0.210	0.199	0.188	0.178	0.170
Airborne sound insulation	46 dB , el	dB, element thickness: 165 mm; test surface: 1.9 m² (download test reports)											
Weight	kg/m²	26.5	26.6	26.8	27.0	27.2	27.4	27.6	27.8	27.9	28.1	28.3	28.5

SOUND INSULATION 1 PRIMER FOIL

Cover panel and surface	Chipboai	rd P5, E	1, with v	white pı	rimer foi	il, 10 mr	m (PEFC	-certified	d)				
Thermal insulation	Glass wo	ol, 20 k	g/m³, 93	–200 m	m								
Bonding	Water-res	istant Da	3 (EN 20	4-D3)									
Edge band	Plywood, Special edg				ding to yo	ur require	ements						
Edge milling	All possik Special CN								_	-			
Thicknesses	Thicknes For thickne					•			nd wood-	metal win	dows		
Formats	All forma	ts from	500 × 95	mm to	3588 ×	1294 m	m can b	e produ	ced				
Element thicknesses from 11	3 mm to 22	0 mm ca	an be pro	oduced.	For furth	er U-val	ue calcu	lations, p	olease co	ontact ou	ır consul	tants.	
Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover board thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	93	100	110	120	130	140	150	160	170	180	190	200
U-value	W/m²K	0.337	0.315	0.289	0.267	0.248	0.232	0.217	0.205	0.193	0.183	0.174	0.166
Airborne sound insulation	40 dB, el	ement th	nickness:	165 mn	n; test su	urface: 1	.9 m² (da	ownload	test repo	orts)			
Weight	kg/m²	16.6	16.7	16.9	17.1	17.3	17.5	17.7	17.8	18.0	18.2	18.4	18.6

Cover panel and surface	Medium-	edium-density fibreboard (MDF) P3, E1, with white primer foil, 10 mm											
Thermal insulation	Glass wo	ss wool, 20 kg/m³, 93–200 mm											
Bonding	Water-res	istant D3	3 (EN 20	4-D3)									
Edge band	Plywood Special ed	•			ding to yo	our require	ements						
Edge milling	All possil Special CN		• .		•				_	•	•	•	
Thicknesses	Thickness For thickness								nd wood-I	metal win	dows		
Formats	All forma	ts from	500 × 95	5 mm to	3588 ×	1294 m	m can b	e produ	ced				
Element thicknesses from 11	3 mm to 22	20 mm ca	an be pro	oduced.	For furth	er U-val	ue calcu	lations, p	olease co	ontact ou	ur consul	Itants.	
Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover board thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	93	100	110	120	130	140	150	160	170	180	190	200
U-value	W/m²K	0.330	0.310	0.285	0.263	0.245	0.229	0.215	0.202	0.191	0.181	0.172	0.164
Airborne sound insulation	40 dB , el	ement th	ickness:	165 mr	n; test sı	urface: 1	.9 m² (da	ownload	test repo	orts)			
Weight	kg/m²	17.2	17.3	17.5	17.7	17.9	18.1	18.3	18.4	18.6	18.8	19.0	19.2

SOUND INSULATION 2 PRIMER FOIL

Cover panel and surface	Chipboard P5, E1, with white primer foil, 10 mm (PEFC-certified)
Thermal insulation	Glass wool, 20 kg/m³, 88–195 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 Special CNC processing such as cut-outs, or surface finishing such as ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 113 mm 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 \times 95 mm to 3588 \times 1294 mm can be produced

Element thicknesses from 113 mm 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 board thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	88	95	105	115	125	135	145	155	165	175	185	195
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m ² K	0.352	0.329	0.301	0.277	0.257	0.239	0.224	0.210	0.199	0.188	0.178	0.170
Airborne sound insulation	46 dB , el	dB, element thickness: 165 mm; test surface: 1.9 m² (download test reports)											
Weight	kg/m²	26.5	26.6	26.8	27.0	27.2	27.4	27.6	27.8	27.9	28.1	28.3	28.5

Cover panel and surface	Medium-density fibreboard (MDF) P3, E1, with white primer foil, 10 mm
Thermal insulation	Glass wool, 20 kg/m³, 88–195 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 Special CNC processing such as cut-outs, or surface finishing such as ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 113 mm 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 mm 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 board thickness	mm	10	10	10	10	10	10	10	10	10	10	10	10
Thermal insulation thickness	mm	88	95	105	115	125	135	145	155	165	175	185	195
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m ² K	0.346	0.323	0.296	0.273	0.253	0.236	0.221	0.208	0.196	0.186	0.177	0.168
Airborne sound insulation	46 dB , el	46 dB, element thickness: 165 mm; test surface: 1.9 m² (download test reports)											
Weight	kg/m²	27.1	27.2	27.4	27.6	27.8	28,0	28,2	28.3	28.5	28.7	28.9	29.1

SOUND INSULATION 1 VENEERED

Cover panel and surface	All types of	hipboard P5, E1, 10 mm, with real wood veneer (unsanded), 1 mm (PEFC-certified) I types of real wood veneers available: spruce, pine, larch, fir, oak, etc. (FSC- or PEFC-certified) eneer quality A/B (inside A/outside B) or A/A (inside A/outside A)											
Thermal insulation	Glass wo	ol, 20 k	g/m³, 91	–198 m	m								
Bonding	Water-res	istant D3	3 (EN 20	4-D3)									
Edge band	Plywood Special edg				ding to yo	our require	ements						
Edge milling	All possil Special CN		• .		•				_	•	•	•	
Thicknesses	Thicknes For thickne					•			nd wood-	metal win	dows		
Formats	All forma	ts from	500 × 9	5 mm to	3588 ×	1294 mı	m can b	e produ	ced				
Element thicknesses from 113	3 mm to 22	0 mm ca	an be pro	oduced.	For furth	ner U-valı	ue calcu	lations, p	olease co	ontact ou	ır consul	tants.	
Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover board thickness	mm	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
Thermal insulation thickness	mm	91	98	108	118	128	138	148	158	168	178	188	198

0.294 0.271

17.8

40 dB, element thickness: 165 mm; test surface: 1.9 m^2 (download test reports)

18.2

18.4

18.0

19.1

19.3

19.5

18.7

28.7

28.8

SOUND INSULATION 2 VENEERED

W/m²K

kg/m²

0.343 0.321

17.6

17.5

U-value

Weight

Airborne sound insulation

Cover panel and surface	All types of	Chipboard P5, E1, 10 mm, with real wood veneer (unsanded), 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	Glass wo	ass wool, 20 kg/m³, 86–193 mm											
Sound insulation	1 piece c	of heavy	bitumer	n foil, 5	mm								
Bonding	Water-res	istant D3	3 (EN 20	4-D3)									
Edge band	Plywood Special ed	•			ding to yo	our require	ements						
Edge milling	All possil Special CN		· .						U	•		•	
Thicknesses	Thicknes For thickness							vooden ar	nd wood-	metal win	dows		
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Element thicknesses from 113	3 mm to 22	20 mm ca	an be pro	oduced.	For furth	ner U-val	ue calcu	lations, p	olease co	ontact ou	ır consul	tants.	
Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover board thickness	mm	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
Thermal insulation thickness	mm	86	93	103	113	123	133	143	153	163	173	183	193
Sound insulation thickness	mm	nm 5 5 5 5 5 5 5 5 5											
U-value	W/m²K	//m ² K 0.360 0.336 0.306 0.282 0.261 0.243 0.227 0.213 0.201 0.190 0.180 0.171											
Airborne sound insulation	46 dB , el	ement th	ickness:	165 mr	n; test sı	urface: 1	.9 m² (da	ownload	test repo	orts)			

27.4 27.5 27.7 27.9 28.1 28.3 28.5

Weight

kg/m²