

Frame extension elements for wooden and wood-metal windows Standard

UNTREATED

Cover panel and surface	Chipboa	rd P5, E	1, untre	ated, 10	mm (Pl	EFC-cert	ified)						
Thermal insulation	Other types	PUR rigid foam, 32 kg/m³, 20–79 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available											
Bonding	Water-res	Vater-resistant D3 (EN 204-D3)											
Edge band		pruce, circumferential or on the long edges (PEFC-certified) ther types of wood 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 pecial CNC processing like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible											
Thicknesses	For thickne	Thicknesses from 40 mm to 99 mm can be produced For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows											
Formats	All forma	ts from	500 × 95	5 mm to	3588 ×	1294 mr	n can b	e produc	ced				
Element thicknesses from 40	mm to 99 r	mm can	be produ	uced. Fo	r further	U-value	calculati	ons, plea	ase conta	act our c	onsultan	ts.	
Element thickness	mm	40	50	54	58	64	68	70	74	80	84	94	99
Thickness cover panel	mm	10	10	10	10	10	10	10	10	10	10	10	10
Thickness thermal insulation	mm	20	30	34	38	44	48	50	54	60	64	74	79
U-value	W/m ² K	0,846	0,616	0,558	0,509	0,449	0,417	0,402	0,376	0,342	0,323	0,283	0,267
Airborne sound insulation	28 dB, ele	28 dB, element thickness: 54 mm; test surface: 2.3 m² (download test reports)											
Weight	kg/m²	15,4	15,7	15,9	16,0	16,2	16,3	16,4	16,5	16,7	16,8	17,1	17,3

surface	nipboard P5, E1, untreated, 16 mm (PEFC-certified)
Thermal insulation Other	JR rigid foam, 32 kg/m³, 12-67 mm ner types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, k, etc., available
Bonding Wat	ater-resistant D3 (EN 204-D3)
Fade band .	oruce, circumferential or on the long edges (PEFC-certified) ner types of wood available; special edge bands can be inset according to your requirements
Fade milling	possible CNC edge profile work is performed on all sides according to your profile specifications ecial CNC processing like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
Thicknesses For	icknesses from 44 mm to 99 mm can be produced thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors thicknesses below 44 mm, see infill for wooden windows
Formats All	formats from 500 \times 95 mm to 3588 \times 1294 mm can be produced

Element thicknesses from 44 mm to 99 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	99	
Thickness cover panel	mm	16	16	16	16	16	16	16	16	16	16	16	16	
Thickness thermal insulation	mm	12	18	22	26	32	36	38	42	48	52	62	67	
U-value	W/m²K	1,087	0,847	0,738	0,654	0,559	0,509	0,488	0,450	0,402	0,376	0,323	0,302	
Airborne sound insulation	33 dB, ele	33 dB, element thickness: 54 mm; test surface: 2.3 m² (download test reports)												
Weight	kg/m²	23,3	23,5	23,6	23,7	23,9	24,0	24,1	24,2	24,4	24,5	24,8	25,0	

Cover panel and surface	Biofaser Hydropan BF-STX hardboard, untreated, 8 mm (certified FSC, PEFC, CE)
Thermal insulation	PUR rigid foam, 32 kg/m³, 24–83 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood 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 like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 99 mm can be produced For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
Formats	All formats from 500 \times 95 mm to 3588 \times 1294 mm can be produced

Element thicknesses from 44	Element thicknesses from 44 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.												
Element thickness	mm	40	50	54	58	64	68	74	80	84	94	99	
Thickness cover panel	mm	8	8	8	8	8	8	8	8	8	8	8	
Thickness thermal insulation	mm	24	34	38	42	48	52	58	64	68	78	83	
U-value	W/m ² K	0,753	0,567	0,516	0,474	0,422	0,393	0,356	0,326	0,309	0,272	0,257	
Airborne sound insulation	31 dB, ele	dB, element thickness: 64 mm; test surface: 1.82 m² (download test reports)											
Weight	kg/m²	15,1	15,4	15,6	15,7	15,9	16,0	16,2	16,4	16,5	16,9	17,0	

PRIMER FOIL

Cover panel and surface	Chipboa	Chipboard P5, E1, with white primer foil, 10 mm (PEFC-certified)												
Thermal insulation	Other type:	PUR rigid foam, 32 kg/m³, 20–79 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available Water-resistant D3 (EN 204-D3)												
Bonding	Water-res	sistant D	3 (EN 20	4-D3)										
Edge band		Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood 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 like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible												
Thicknesses	For thickne	Thicknesses from 40 mm to 99 mm can be produced For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows												
Formats	All forma	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced												
Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.														
Element thicknesses from 40 Element thickness	mm to 99 i	mm can	50	ucea. Fo 54	r turtner 58	0-value	calculati 68	ions, piea 70	ase cont	act our c	onsultar 84	nts. 94	99	
Thickness cover panel	mm	10	10	10	10	10	10	10	10	10	10	10	10	
Thickness thermal insulation	mm	20	30	34	38	44	48	50	54	60	64	74	79	
THOM 1000 thomas in localitation		_												
U-value	VV/III-IX	N/m²K 0,846 0,618 0,558 0,509 0,449 0,417 0,402 0,376 0,342 0,323 0,283 0,267 28 dB, element thickness: 54 mm; test surface: 2.3 m² (download test reports)												
U-value Airborne sound insulation		,		4 mm; tes	t surface:	2.3 m ² (d	ownload	test repor	ts)					
	28 dB, ele kg/m ²	ement thic	15,7	15,9	16,0	16,2	16,3	16,4	16,5	16,7	16,8	17,1	17,3	
Airborne sound insulation Weight	28 dB, ele	rd P5, E	15,7 15,7 1, with v	15,9 white pr	16,0	16,2	16,3 n (PEFC	16,4	16,5					
Airborne sound insulation Weight Cover panel and surface Thermal insulation	28 dB, elekg/m² Chipboa PUR rigid Other typee etc., availa	rd P5, E d foam, s of therm	15,7 15,7 1, with v	15,9 white pr 1 ³ , 12–67 ion like ex	16,0	16,2	16,3 n (PEFC	16,4	16,5					
Airborne sound insulation Weight Cover panel and surface	28 dB, elekg/m² Chipboal PUR rigid Other types	rd P5, E d foam, s of therm ble circumfe	15,7 15,7 32 kg/m all insulati 3 (EN 20- erential of	white pr 3, 12–67 ion like ex 4-D3) or on the	16,0 imer foi mm panded ri	16,2 il, 16 mn gid polyst	16,3 n (PEFC) yrene foa	16,4 certifiec	16,5	ditive (EPS				
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding	28 dB, elekg/m² Chipboal PUR rigio Other type: etc., availa Water-res Spruce, o	rd P5, E d foam, s of therm ble circumfe s of wood	15,7 32 kg/m hal insulati 3 (EN 20- erential of available c edge p	white provided in the provided with the provided in the extended in the provided in the provid	imer foi mm panded ri	16,2 il, 16 mm gid polyst dges (PE ds can be	n (PEFC) yrene foa EFC-cert inset acc	16,4 -certified m with gr iffied) cording to	16,5 aphite add	ditive (EPS	S lambda)	, glass wo	ool, cork,	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band	28 dB, elekg/m² Chipboa PUR rigio Other typesetc., availa Water-res Spruce, Other types	rd P5, E d foam, s of therm ble circumfes of wood	32 kg/m nal insulati 3 (EN 20- erential of d available c edge p ssing like of m 44 mm from 100 r	white properties of the properties with the properties with the properties of the pr	imer foi mm panded ri e long ecadge band ork is per ound and mm can lextension	il, 16 mm gid polyst dges (PE ds can be rformed segment be produ	n (PEFC) yrene foa EFC-cert inset acc arches, v	16,4 -certified m with gr iffied) cording to	16,5 aphite add	ditive (EPS) irements to your urface gro	S lambda)	, glass wo	ool, cork,	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band Edge milling	28 dB, elekg/m² Chipboa PUR rigio Other type: etc., availa Water-res Spruce, c Other type: All possil Special CN Thicknes For thicknes	rd P5, E d foam, s of therm ble circumfe s of wood lC proces sees from easses as fi	21, with value of available of	white pr 3, 12–67 ion like ex 4-D3) or on the cut-outs, r. 1 to 99 n mm, see e n, see infill	mm panded ri e long ec edge banco ork is pe ound and mm can l extension of	16,2 il, 16 mn gid polyst dges (PE ds can be erformed segment be prodi elements en windox	n (PEFC) yrene foa EFC-cert inset acco	16,4 -certified am with gradified) cording to sides acceptation en lifting s	16,5 aphite add your requirements cording slots or s	ditive (EPS) irements to your urface gro	S lambda)	, glass wo	ool, cork,	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band Edge milling Thicknesses Formats	28 dB, elekg/m² Chipboa PUR rigio Other type: etc., availa Water-res Spruce, o Other type: All possil Special CN Thicknes For thicknes For thicknes All forma	rd P5, E d foam, s of therm ble sistant D3 circumfe s of wood lC proces sees from esses as fi	2 kg/m 32 kg/m 33 (EN 20- 2 erential of available company and the company and	white pr 3, 12–67 ion like ex 4-D3) or on the cut-outs, r 1 to 99 n mm, see e n, see infill 5 mm to	mm panded ri e long ec edge bance ork is per ound and mm can l extension of for wood	dges (PEds can be erformed segment be produced elements en window 1294 mr	n (PEFC) yrene foa EFC-cert inset according arches, we will arches, we will arches a	16,4 -certified am with gradified) cording to sides acceptation en lifting seeproduce	16,5 aphite add your requirements cording slots or s cliding doc ced	ditive (EPS irements to your urface gro	S lambda) profile s poves are	, glass wo	ool, cork	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band Edge milling Thicknesses Formats Element thicknesses from 44	28 dB, elekg/m² Chipboa PUR rigio Other type: etc., availa Water-res Spruce, G Other type: All possil Special CN Thicknes For thicknes For thicknes All forma	rd P5, E d foam, s of therm ble sistant D0 circumfe s of wood NC proces sees fror esses as fi esses belo ats from	15,7 15,7 15,7 15,7 16, with value of the second of th	white pr white pr a, 12–67 ion like ex 4-D3) or on the crofile wa crofile wa cut-outs, r n to 99 n mm, see e n, see infill 5 mm to uced. Fo	mm panded ri e long ec edge bance ork is per ound and mm can in for wood 3588 ×	dges (PEds can be rformed segment be produced window 1294 mr. U-value	16,3 n (PEFC) EFC-cert inset account on all s arches, where the control of the	16,4 -certified am with gradified) cording to sides acceptation en lifting s e productions, plea	aphite add your required cording slots or significant documents of the cordinal cord	irements to your urface gro	S lambda) profile s poves are	pecifica also poss	ool, cork	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band Edge milling Thicknesses Formats Element thicknesses from 44 Element thickness	28 dB, elekg/m² Chipboa PUR rigio Other typeetc., availa Water-res Spruce, o Other typee All possil Special CN Thicknes For thicknes For thicknes For thicknes mm to 99 mm	rd P5, E d foam, s of therm ble sistant D0 circumfe s of wood C proces sees from sees as fi sesses below ts from mm can	15,7 15,7 15,7 15,7 16, with vice and insulation of the control of the contro	white properties of the properties with the properties of the prop	mm panded ri e long ec adge band ork is pe ound and mm can lextension of for wood 3588 × r further	il, 16 mm gid polyst dges (PE ds can be rformed segment be produ elements en window 1294 mm U-value 64	n (PEFC) yrene foa EFC-cert inset acc on all s arches, v uced for woode ws m can b calculati 68	16,4 -certified am with gradified) cording to sides acceptable ventilation en lifting s e productions, pleas	16,5 aphite add your requ cording slots or s sliding doc ced ase conta	ditive (EPS) irements to your urface gro	profile spoves are	pecifica also poss	ool, cork	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band Edge milling Thicknesses Formats Element thicknesses from 44 Element thickness Thickness cover panel	28 dB, elekg/m² Chipboal PUR rigio Other type: etc., availa Water-res Spruce, o Other type: All possil Special CN Thicknes For thicknes For thicknes For thicknes mm to 99 mm mm	rd P5, E d foam, s of therm ble sistant D3 circumfe s of wood lC proces sees from esses as fi esses belo sts from 44 16	2 kg/m 32 kg/m 32 kg/m al insulati 3 (EN 20- derential of available cedge p ssing like of m 44 mm rom 100 r bw 44 mm 500 x 95 be produ 50 16	white pr white pr y, 12–67 ion like ex 4-D3) or on the cut-outs, r n to 99 n mm, see e n, see infill mm to uced. Fo 54 16	imer foi mm panded ri e long ec edge band ork is per ound and axtension of for wood 3588 x r further 58	il, 16 mm gid polyst diges (PE ds can be rformed segment be prodi elements en windov 1294 mm U-value 64 16	n (PEFC) yrene foa EFC-cert inset acc l on all s arches, v uced for wood ws m can b calculati 68 16	16,4 -certified am with gradified) cording to cording to certifier en lifting see productions, please 70 16	your required slots or seliding documents.	ditive (EPS) irements to your urface gro	profile spoves are	epecifica also poss ots. 94 16	ool, cork	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band Edge milling Thicknesses Formats Element thicknesses from 44 Element thickness Thickness cover panel Thickness thermal insulation	28 dB, elekg/m² Chipboa PUR rigio Other type: etc., availa Water-res Spruce, o Other type: All possil Special CN Thicknes For thicknes For thicknes For thicknes mm to 99 mm mm mm	rd P5, E d foam, s of therm ble sistant D0 circumfe s of wood lC proces sess fror esses as fi esses belo tts from mm can 44 16 12	2 kg/m 32 kg/m 33 kg/m 33 (EN 20- 2 erential of available	white properties of the proper	mm panded ri e long ec edge band ork is pe ound and mm can lextension of for wood 3588 x r further 58 16 26	il, 16 mm gid polyst dges (PE ds can be rformed segment be produ elements en windov 1294 mr U-value 64 16 32	n (PEFC) yrene foa EFC-cert inset acc on all s arches, v uced for wood ws m can b calculati 68 16 36	16,4 -certified am with gradified) cording to sides acceptable ac	aphite add your required cording slots or s sliding doc ced ase conta 74 16 42	irements to your urface gra act our c 80 16 48	profile spoves are	pecifica also poss ots. 94 16 62	ool, cork stions sible 99 16 67	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band Edge milling Thicknesses Formats Element thicknesses from 44 Element thickness Thickness cover panel Thickness thermal insulation U-value	28 dB, elekg/m² Chipboal PUR rigio Other type: etc., availa Water-res Spruce, C Other type: All possil Special CN Thicknes For thicknes For thicknes MI forma mm to 99 mm mm mm mm W/m²K	rd P5, E d foam, s of therm ble sistant D3 circumfe s of wood IC proces sees from mm can 44 16 12 1,087	2 kg/m 32 kg/m 32 kg/m 33 (EN 20- 2 cerential of available of availabl	white property white property was a special of the cut-outs, remaining the cut-outs, remaining to the	imer foi mm panded ri e long ec edge band ork is per ound and extension of for wood 3588 x r further 58 16 26 0,654	il, 16 mm gid polyst dges (PE ds can be rformed segment be prode elements en window 1294 mm U-value 64 16 32 0,559	n (PEFC) yrene foa FC-cert inset acc on all s arches, v uced for woods ws n can b calculati 68 16 36 0,509	16,4 -certified am with gradified) cording to cording to continuous en lifting see productions, please 70 16 38 0,488	your requestions of the second	ditive (EPS) irements to your urface gro	profile spoves are	epecifica also poss ots. 94 16	ool, cork. ations sible 99 16	
Airborne sound insulation Weight Cover panel and surface Thermal insulation Bonding Edge band Edge milling Thicknesses Formats Element thicknesses from 44 Element thickness Thickness cover panel Thickness thermal insulation	28 dB, elekg/m² Chipboa PUR rigio Other type: etc., availa Water-res Spruce, o Other type: All possil Special CN Thicknes For thicknes For thicknes For thicknes mm to 99 mm mm mm	rd P5, E d foam, s of therm ble sistant D3 circumfe s of wood IC proces sees from mm can 44 16 12 1,087	2 kg/m 32 kg/m 32 kg/m 33 (EN 20- 2 cerential of available of availabl	white property white property was a special of the cut-outs, remaining the cut-outs, remaining to the	imer foi mm panded ri e long ec edge band ork is per ound and extension of for wood 3588 x r further 58 16 26 0,654	il, 16 mm gid polyst dges (PE ds can be rformed segment be prode elements en window 1294 mm U-value 64 16 32 0,559	n (PEFC) yrene foa FC-cert inset acc on all s arches, v uced for woods ws n can b calculati 68 16 36 0,509	16,4 -certified am with gradified) cording to cording to continuous en lifting see productions, please 70 16 38 0,488	your requestions of the second	irements to your urface gra act our c 80 16 48	profile spoves are	pecifica also poss ots. 94 16 62	ool, cork, stions sible	

Cover panel and surface	Medium-density fibreboard (MDF) P3, E1, with white primer foil, 10 mm
Thermal insulation	PUR rigid foam, 32 kg/m³, 20–79 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood 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 like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 99 mm can be produced For thicknesses as from 100 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 99 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	99
Thickness cover panel	mm	10	10	10	10	10	10	10	10	10	10	10	10
Thickness thermal insulation	mm	20	30	34	38	44	48	50	54	60	64	74	79
U-value	W/m²K	0,807	0,597	0,541	0,495	0,438	0,407	0,393	0,368	0,336	0,317	0,279	0,263
Airborne sound insulation	28 dB, el	28 dB, element thickness: 54 mm; test surface: 2.3 m² (download test reports)											
Weight	kg/m²	16,0	16,4	16,5	16,6	16,8	16,9	17,0	17,1	17,3	17,4	17,7	17,9

VENEERED

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Cover panel and surface	All types o	Chipboard P5, E1, 10 mm, with real wood veneer, 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) PUR rigid foam, 32 kg/m³, 18–77 mm												
Thermal insulation	Other type	PUR rigid foam, 32 kg/m³, 18–77 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available Water-resistant D3 (EN 204-D3)												
Bonding	Water-res	Water-resistant D3 (EN 204-D3)												
Edge band		pruce, circumferential or on the long edges (PEFC-certified) ther types of wood 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 like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible												
Thicknesses	For thickne	Thicknesses from 40 mm to 99 mm can be produced For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows												
Formats	All forma	its from	500 × 9	95 mm to	o 3588 ×	1294 n	nm can	be prod	luced					
Element thicknesses from 40 n	nm to 99 mn	n can he	produc	ed. For t	further LI	-value c	alculatio	ns, pleas	se conta	ict our co	onsultan	ts.		
Element thickness	mm	40	50	54	58	64	68	70	74	80	84	94	99	
Thickness cover panel	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	
Thickness thermal insulation	mm	18	28	32	36	42	46	48	52	58	62	72	77	
U-value	W/m²K	0,901	0,647	0,582	0,528	0,464	0,430	0,414	0,386	0,351	0,331	0,289	0,274	
Airborne sound insulation	28 dB, el	ement thi	ckness: 5	54 mm; te	st surface	e: 2.3 m ²	(downloa	d test rep	orts)					
Weight	kg/m²	16,3	16,6	16,7	16,9	17,0	17,2	17,2	17,4	17,6	17,7	18,0	18,5	
Cover panel and surface	Chipboa All types o Veneer qui	f real woo ality A/B (d foam,	od veneer inside A/o 32 kg/n	rs availabl outside B m³, 12-6 8	e: spruce) or A/A (ii 5 mm	, pine, lar nside A/c	rch, fir, oa outside A)	k, etc. (FS	SC- or PE	FC-certifi		ale), alega	· · · · · · · · · · · · · · · · · · ·	
Thermal insulation	Other type cork, etc.,			ition like e	xpanded	rigid poly	styrene to	oam with	graphite :	additive (E	:PS lamb	da), glass	s wool,	
Bonding	Water-res	sistant D	3 (EN 20	04-D3)										
Edge band	Spruce, Other type								to your re	quiremen	ts			
Edge milling	All possi Special CN													
Thicknesses	Thicknes For thicknes	esses as t	from 100	mm, see	extension	n element	ts for woo	oden lifting	g sliding d	loors				
Formats	All forma	ts from	500 mn	n × 95 n	nm to 35	588 × 12	294 mm	can be	produc	ed				
Element thicknesses from 46 n	nm to 99 mn	n can be	produc	ed. For t	further U	-value c	alculatio	ns, pleas	se conta	ct our co	onsultan	ts.		
Element thickness	mm	46	50	54	58	64	68	70	74	80	84	94	99	
Thickness cover panel	mm	16	16	16	16	16	16	16	16	16	16	16	16	
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1	1	
Thickness thermal insulation	mm	12	16	20	24	30	34	36	40	46	50	60	65	
U-value	W/m²K	1,070	0,902	0,780	0,687	0,582	0,529	0,506	0,465	0,414	0,387	0,331	0,311	
Airborne sound insulation	33 dB, el	ement thi	ckness: 5	54 mm; te	st surface	e: 2.3 m²	(downloa	d test rep	orts)					
Weight	kg/m²	24,2	24,3	24,4	24,6	24,8	24,9	24,9	25,1	25,3	24,4	25,7	26,2	

Cover panel and surface	Biofaser Hydropan BF-STX hardboard, 8 mm, with real wood veneer, (unsanded) 1,4 mm (certified FSC, PEFC, CE) 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	PUR rigid foam, 32 kg/m³, 22–81 mm Other types of thermal insulation like expanded rigid polystyrene foam with graphite additive (EPS lambda), glass wool, cork, etc., available
Bonding	Water-resistant D3 (EN 204-D3
Edge band	Spruce, circumferential or on the long edges (PEFC-certified) Other types of wood 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 like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 99 mm can be produced For thicknesses as from 100 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 46 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.													
Element thickness	mm	40	50	54	58	64	68	74	80	84	94	99	
Thickness cover panel	mm	8	8	8	8	8	8	8	8	8	8	8	
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1	
Thickness thermal insulation	mm	22	32	36	40	46	50	56	62	66	76	81	
U-value	W/m ² K	0,925	0,592	0,537	0,491	0,435	0,404	0,366	0,334	0,316	0,278	0,263	
Airborne sound insulation	31 dB, el	31 dB, element thickness: 64 mm; test surface: 1.82 m² (download test reports)											
Weight	kg/m²	15,9	16,3	16,5	16,6	16,8	16,9	17,1	17,3	17,4	17,7	18,2	