Technical details

FRINORM®

Frame extension elements for aluminium lifting sliding doors
Standard

CHIPBOARD

Cover panel and surface	**Chipboard P5, E1, untreated, 10 mm** (PEFC-certified)
Thermal insulation	**Expanded polystyrene rigid foam (EPS), 15 kg/m³, 80–200 mm**
Vapour barrier	Aluminium shell on one side, internal vapour barrier required
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/m²K**	**0,414**	**0,373**	**0,340**	**0,312**	**0,288**	**0,268**	**0,250**
Airborne sound insulation	**26 dB,** element thickness: 165 mm; test surface: 1.9 m² (download test reports)							
Weight	kg/m²	16,0	16,2	16,3	16,5	16,6	16,8	16,9

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/m²K**	**0,235**	**0,221**	**0,209**	**0,198**	**0,188**	**0,179**
Airborne sound insulation	**26 dB,** element thickness: 165 mm; test surface: 1.9 m² (download test reports)						
Weight	kg/m²	17,1	17,2	17,4	17,5	17,7	17,8

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PLYWOOD

Cover panel and surface	**Plywood panel AW100, untreated, 12 mm** (PEFC-certified)
Thermal insulation	**Expanded polystyrene rigid foam (EPS), 15 kg/m³, 76–196 mm**
Vapour barrier	Aluminium shell on one side, internal vapour barrier required
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/m²K**	**0,425**	**0,382**	**0,347**	**0,318**	**0,293**	**0,272**	**0,254**
Airborne sound insulation	**38 dB,** element thickness: 165 mm; test surface: 1.9 m² (download test reports)							
Weight	kg/m²	13,1	13,3	13,4	13,6	13,7	13,9	14,0

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/m²K**	**0,238**	**0,224**	**0,212**	**0,201**	**0,190**	**0,181**
Airborne sound insulation	**38 dB,** element thickness: 165 mm; test surface: 1.9 m² (download test reports)						
Weight	kg/m²	14,2	14,3	14,5	14,6	14,8	14,9

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