

Sandwich elements for wood

UNTREATED

Cover panel and surface	Plywood board AW100, untreated, 6.5 mm
Thermal insulation	PUR rigid foam, 32 kg/m³, 8–80 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)
Centre bars	Spruce (PEFC-certified) Other types of wood available; special edge bands can be inset according to your requirements
Edge milling	Trimmed edges
Thicknesses	Thicknesses from 21 mm to 93 mm can be produced
Formats	Large board, 2988 × 1294 mm (for cuts to specifications, see infill for wooden and wood-metal windows)

Element thicknesses from 21 mm to 93 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	21	23	25	28	30	35	40	50	60	70	80	93
Thickness cover panel	mm	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Thickness thermal insulation	mm	8	10	12	15	17	22	27	37	47	57	67	80
U-value	W/m²K	1.650	1.443	1.282	1.099	1.003	0.823	0.698	0.536	0.435	0.365	0.315	0.268
Weight	kg/m ²	9.6	9.7	9.7	9.8	9.9	10.1	10.2	10.5	10.8	11.2	11.5	11.9

PRIMER FOIL

Cover panel and surface	Plywood board AW100 with white primer foil, 6.5 mm
Thermal insulation	PUR rigid foam, 32 kg/m³, 8–80 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)
Centre bars	Spruce (PEFC-certified) Other types of wood available; special edge bands can be inset according to your requirements
Edge milling	Trimmed edges
Thicknesses	Thicknesses from 21 mm to 93 mm can be produced
Formats	Large board, 2988 × 1294 mm (for cuts to specifications, see infill for wooden and wood-metal windows)

Element thicknesses from 21 mm to 93 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	21	23	25	28	30	35	40	50	60	70	80	93
Thickness cover panel	mm	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Thickness thermal insulation	mm	8	10	12	15	17	22	27	37	47	57	67	80
U-value	W/m²K	1.650	1.443	1.282	1.099	1.003	0.823	0.698	0.536	0.435	0.365	0.315	0.268
Weight	kg/m ²	9.6	9.7	9.7	9.8	9.9	10.1	10.2	10.5	10.8	11.2	11.5	11.9

VENEERED

Cover panel and surface	Plywood board AW100, 6.5 mm, with real wood veneer, 1 mm 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, 8–78 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)
Centre bars	Spruce (PEFC-certified) Other types of wood available; special edge bands can be inset according to your requirements
Edge milling	Trimmed edges
Thicknesses	Thicknesses from 23 mm to 93 mm can be produced
Formats	Large board, 2988 x 1294 mm (for cuts to specifications, see infill for wooden/wood-metal windows)

Element thicknesses from 23 mm to 93 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	23	25	28	30	35	40	50	60	70	80	93
Thickness cover panel	mm	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1
Thickness thermal insulation	mm	8	10	13	15	20	25	35	45	55	65	78
U-value	W/m²K	1.613	1.414	1.195	1.082	0.876	0.736	0.557	0.449	0.376	0.323	0.273
Weight	kg/m ²	10.6	10.6	10.7	10.8	10.9	11.1	11.4	11.7	12.0	12.4	12.8