

**Frame extension elements for wooden and wood-metal lifting sliding doors  
Standard**

**UNTREATED**

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, untreated, 10 mm (PEFC-certified)</b>
<b>Thermal insulation</b>	<b>Expanded rigid polystyrene foam (EPS), 15 kg/m<sup>3</sup>, 93–200 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Plywood, circumferential</b> Special edge bands can be inset according to your requirements
<b>Edge milling</b>	<b>All possible CNC edge profile work is performed on all sides according to your profile specifications</b> Special CNC processing like cut-outs, surface finishing like ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 113 mm to 220 mm can be produced</b> For thicknesses below 113 mm, see frame extension elements for wooden and wood-metal windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 113 mm to 220 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>113</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>	<b>200</b>	<b>210</b>	<b>220</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
Thickness thermal insulation	mm	93	100	110	120	130	140	150	160	170	180	190	200
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0.362</b>	<b>0.340</b>	<b>0.312</b>	<b>0.288</b>	<b>0.268</b>	<b>0.250</b>	<b>0.235</b>	<b>0.221</b>	<b>0.209</b>	<b>0.198</b>	<b>0.188</b>	<b>0.179</b>
<b>Airborne sound insulation</b>	<b>26 dB</b> , element thickness: 165 mm; test surface: 1.9 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	17.5	17.7	17.8

## PRIMER FOIL

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, with white primer foil, 10 mm (PEFC-certified)</b>
<b>Thermal insulation</b>	<b>Expanded rigid polystyrene foam (EPS), 15 kg/m<sup>3</sup>, 93–200 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Plywood, circumferential</b> Special edge bands can be inset according to your requirements
<b>Edge milling</b>	<b>All possible CNC edge profile work is performed on all sides according to your profile specifications</b> Special CNC processing like cut-outs, surface finishing like ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 113 mm to 220 mm can be produced</b> For thicknesses below 113 mm, see frame extension elements for wooden and wood-metal windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 113 mm to 220 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>113</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>	<b>200</b>	<b>210</b>	<b>220</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
Thickness thermal insulation	mm	93	100	110	120	130	140	150	160	170	180	190	200
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0.362</b>	<b>0.340</b>	<b>0.312</b>	<b>0.288</b>	<b>0.268</b>	<b>0.250</b>	<b>0.235</b>	<b>0.221</b>	<b>0.209</b>	<b>0.198</b>	<b>0.188</b>	<b>0.179</b>
<b>Airborne sound insulation</b>	<b>26 dB</b> , element thickness: 165 mm; test surface: 1.9 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	17.5	17.7	17.8

<b>Cover panel and surface</b>	<b>Medium-density fibreboard (MDF) P3, E1, with white primer foil, 10 mm</b>
<b>Thermal insulation</b>	<b>Expanded rigid polystyrene foam (EPS), 15 kg/m<sup>3</sup>, 93–200 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Plywood, circumferential</b> Special edge bands can be inset according to your requirements
<b>Edge milling</b>	<b>All possible CNC edge profile work is performed on all sides according to your profile specifications</b> Special CNC processing like cut-outs, surface finishing like ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 113 mm to 220 mm can be produced</b> For thicknesses below 113 mm, see frame extension elements for wooden and wood-metal windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 113 mm to 220 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>113</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>	<b>200</b>	<b>210</b>	<b>220</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
Thickness thermal insulation	mm	93	100	110	120	130	140	150	160	170	180	190	200
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0.355</b>	<b>0.333</b>	<b>0.306</b>	<b>0.283</b>	<b>0.264</b>	<b>0.247</b>	<b>0.232</b>	<b>0.218</b>	<b>0.206</b>	<b>0.196</b>	<b>0.186</b>	<b>0.178</b>
<b>Airborne sound insulation</b>	<b>26 dB</b> , element thickness: 165 mm; test surface: 1.9 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	16.8	16.9	17.1	17.2	17.4	17.5	17.7	17.8	18.0	18.1	18.3	18.4

## VENEERED

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, 10 mm, with real wood veneer (unsanded), 1 mm</b> (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)
<b>Thermal insulation</b>	<b>Expanded rigid polystyrene foam (EPS), 15 kg/m<sup>3</sup>, 91–198 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Plywood, circumferential</b> Special edge bands can be inset according to your requirements
<b>Edge milling</b>	<b>All possible CNC edge profile work is performed on all sides according to your profile specifications</b> Special CNC processing such as cut-outs or surface finishing such as ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 113 mm to 220 mm can be produced</b> For thicknesses below 113 mm, see frame extension elements for wooden and wood-metal windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 113 mm to 220 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>113</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>	<b>200</b>	<b>210</b>	<b>220</b>
<b>Cover board thickness</b>	<b>mm</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
Veneer thickness	<b>mm</b>	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
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0.369</b>	<b>0.346</b>	<b>0.317</b>	<b>0.293</b>	<b>0.272</b>	<b>0.253</b>	<b>0.238</b>	<b>0.224</b>	<b>0.211</b>	<b>0.200</b>	<b>0.190</b>	<b>0.181</b>
<b>Airborne sound insulation</b>	<b>26 dB</b> , element thickness: 165 mm; test surface: 1.9 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	17.1	17.2	17.4	17.5	17.7	17.8	18.0	18.1	18.1	18.4	18.6	18.7