

## Frame extension elements for plastic lifting sliding doors Sound insulation

### SOUND INSULATION 1 WHITE

<b>Cover panel and surface</b>	Rigid PVC in Veka, Kömmerling, Finstral or Internorm colourways, 4 mm
<b>Thermal insulation</b>	Glass wool, 70 kg/m <sup>3</sup> , 92–212 mm
<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, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 100 mm to 220 mm can be produced</b> For thicknesses under 100 mm, see frame extension elements for plastic windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 100 mm 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
<b>Cover panel thickness</b>	<b>mm</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Thermal insulation thickness	mm	92	102	112	122	132	142	152
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0,360</b>	<b>0,328</b>	<b>0,300</b>	<b>0,277</b>	<b>0,257</b>	<b>0,240</b>	<b>0,225</b>
<b>Airborne sound insulation</b>	<b>41 dB</b> , element thickness: 179 mm; test surface: 1.9 m <sup>2</sup> (download test reports)							
Weight	kg/m <sup>2</sup>	17,9	18,6	19,3	20,0	20,7	21,4	22,1

Element thickness	mm	170	180	190	200	210	220
<b>Cover panel thickness</b>	<b>mm</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Thermal insulation thickness	mm	162	172	182	192	202	212
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0,212</b>	<b>0,200</b>	<b>0,190</b>	<b>0,180</b>	<b>0,171</b>	<b>0,164</b>
<b>Airborne sound insulation</b>	<b>41 dB</b> , element thickness: 179 mm; test surface: 1.9 m <sup>2</sup> (download test reports)						
Weight	kg/m <sup>2</sup>	22,8	23,5	24,2	24,9	25,6	26,3

## SOUND INSULATION 2 WHITE

<b>Cover panel and surface</b>	<b>Rigid PVC in Veka, Kömmerling, Finstral or Internorm colourways, 4 mm</b>
<b>Thermal insulation</b>	<b>Glass wool, 70 kg/m<sup>3</sup>, 87–207 mm</b>
<b>Sound insulation</b>	<b>1 piece of heavy bitumen foil, 5 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, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 100 mm to 220 mm can be produced</b> For thicknesses under 100 mm, see frame extension elements for plastic windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 100 mm to 220 mm can be produced For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Thermal insulation thickness	mm	87	97	107	117	127	137	147
Sound insulation thickness	mm	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0,378</b>	<b>0,342</b>	<b>0,312</b>	<b>0,287</b>	<b>0,266</b>	<b>0,248</b>	<b>0,232</b>
<b>Airborne sound insulation</b>	<b>46 dB</b> , element thickness: 179 mm; test surface: 1.9 m <sup>2</sup> (download test reports)							
Weight	kg/m <sup>2</sup>	27,5	28,2	29,0	29,6	30,3	31,0	31,7

<b>Element thickness</b>	<b>mm</b>	<b>170</b>	<b>180</b>	<b>190</b>	<b>200</b>	<b>210</b>	<b>220</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Thermal insulation thickness	mm	157	167	177	187	197	207
Sound insulation thickness	mm	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0,218</b>	<b>0,205</b>	<b>0,194</b>	<b>0,184</b>	<b>0,175</b>	<b>0,167</b>
<b>Airborne sound insulation</b>	<b>46 dB</b> , element thickness: 179 mm; test surface: 1.9 m <sup>2</sup> (download test reports)						
Weight	kg/m <sup>2</sup>	32,4	33,1	33,9	34,5	35,2	35,9

## SOUND INSULATION 1 HPL DECORATIVE FILM

<b>Cover panel and surface</b>	<b>HPL with decorative film, 4 mm (all colours available)</b>
<b>Thermal insulation</b>	<b>Glass wool, 70 kg/m<sup>3</sup>, 92–212 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, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 100 mm to 220 mm can be produced</b> For thicknesses under 100 mm, see frame extension elements for plastic windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 2988 × 1294 mm can be produced</b>

Element thicknesses from 100 mm to 220 mm can be produced For further U-value calculations, please contact our consultants.								
<b>Element thickness</b>	<b>mm</b>	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Thermal insulation thickness	mm	92	102	112	122	132	142	152
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0,360</b>	<b>0,328</b>	<b>0,300</b>	<b>0,277</b>	<b>0,257</b>	<b>0,240</b>	<b>0,225</b>
<b>Airborne sound insulation</b>	<b>41 dB</b> , element thickness: 179 mm; test surface: 1.9 m <sup>2</sup> (download test reports)							
Weight	kg/m <sup>2</sup>	17,9	18,6	19,3	20,0	20,7	21,4	22,1

<b>Element thickness</b>	<b>mm</b>	<b>170</b>	<b>180</b>	<b>190</b>	<b>200</b>	<b>210</b>	<b>220</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Thermal insulation thickness	mm	162	172	182	192	202	212
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0,212</b>	<b>0,200</b>	<b>0,190</b>	<b>0,180</b>	<b>0,171</b>	<b>0,164</b>
<b>Airborne sound insulation</b>	<b>41 dB</b> , element thickness: 179 mm; test surface: 1.9 m <sup>2</sup> (download test reports)						
Weight	kg/m <sup>2</sup>	22,8	23,5	24,2	24,9	25,6	26,3

## SOUND INSULATION 2 HPL DECORATIVE FILM

<b>Cover panel and surface</b>	<b>HPL with decorative film, 4 mm (all colours available)</b>
<b>Thermal insulation</b>	<b>Glass wool, 70 kg/m<sup>3</sup>, 87–207 mm</b>
<b>Sound insulation</b>	<b>1 piece of heavy bitumen foil, 5 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, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 100 mm to 220 mm can be produced</b> For thicknesses under 100 mm, see frame extension elements for plastic windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 2988 × 1294 mm can be produced</b>

Element thicknesses from 100 mm to 220 mm can be produced For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Thermal insulation thickness	mm	87	97	107	117	127	137	147
Sound insulation thickness	mm	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0,378</b>	<b>0,342</b>	<b>0,312</b>	<b>0,287</b>	<b>0,266</b>	<b>0,248</b>	<b>0,232</b>
<b>Airborne sound insulation</b>	<b>46 dB</b> , element thickness: 179 mm; test surface: 1.9 m <sup>2</sup> (download test reports)							
Weight	kg/m <sup>2</sup>	27,5	28,2	28,9	29,6	30,3	31,0	31,7

<b>Element thickness</b>	<b>mm</b>	<b>170</b>	<b>180</b>	<b>190</b>	<b>200</b>	<b>210</b>	<b>220</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
Thermal insulation thickness	mm	157	167	177	187	197	207
Sound insulation thickness	mm	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>0,218</b>	<b>0,205</b>	<b>0,194</b>	<b>0,184</b>	<b>0,175</b>	<b>0,167</b>
<b>Airborne sound insulation</b>	<b>46 dB</b> , element thickness: 179 mm; test surface: 1.9 m <sup>2</sup> (download test reports)						
Weight	kg/m <sup>2</sup>	32,4	33,1	33,8	34,5	35,2	35,9