

## Frame extension elements for wooden and wood-metal windows

### Sound insulation

#### SOUND INSULATION 1 UNTREATED

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, untreated, 10 mm (PEFC-certified)</b>
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 15–79 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>Spruce, circumferential (PEFC-certified)</b> Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</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	15	25	29	33	39	43	45	49	55	59	69	79
Thickness sound insulation	mm	5	5	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,331</b>	<b>0,964</b>	<b>0,868</b>	<b>0,790</b>	<b>0,696</b>	<b>0,645</b>	<b>0,622</b>	<b>0,580</b>	<b>0,528</b>	<b>0,498</b>	<b>0,436</b>	<b>0,410</b>
<b>Airborne sound insulation</b>	<b>38 dB</b> , element thickness: 54 mm; test surface: 2.3 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	25,1	25,3	25,4	25,4	25,5	25,6	25,7	25,7	25,8	25,9	26,1	26,3

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, untreated, 16 mm (PEFC-certified)</b>
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 17–62 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>Spruce, circumferential (PEFC-certified)</b> Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 54 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 54 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 54 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
Thickness thermal insulation	mm	17	21	27	31	33	37	43	47	57	62
Thickness sound insulation	mm	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,118</b>	<b>0,992</b>	<b>0,847</b>	<b>0,773</b>	<b>0,740</b>	<b>0,682</b>	<b>0,611</b>	<b>0,571</b>	<b>0,491</b>	<b>0,459</b>
<b>Airborne sound insulation</b>	<b>40 dB</b> , element thickness: 64 mm; test surface: 1.9 m <sup>2</sup> (download test reports)										
Weight	kg/m <sup>2</sup>	33,2	33,3	33,4	33,5	33,5	33,6	33,7	33,8	34,0	34,1

<b>Cover panel and surface</b>	<b>Biofaser Hydropan BF-STX hardboard, untreated, 8 mm</b> (certified FSC, PEFC, CE)
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 19–78 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>Spruce, circumferential or on the longitudinal edges</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses of 100 mm and more, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
Thermal insulation thickness	mm	19	29	33	37	43	47	53	59	63	73	78
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,195</b>	<b>0,891</b>	<b>0,808</b>	<b>0,740</b>	<b>0,657</b>	<b>0,611</b>	<b>0,553</b>	<b>0,505</b>	<b>0,477</b>	<b>0,420</b>	<b>0,396</b>
<b>Airborne sound insulation</b>	<b>43 dB</b> , element thickness: 64 mm; test surface: 1.82 m <sup>2</sup> (download test reports)											
Weight	kg/m <sup>2</sup>	24,8	25,0	25,1	25,1	25,3	25,3	25,5	25,6	25,7	25,9	26,0

## SOUND INSULATION 2 UNTREATED

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, untreated, 10 mm (PEFC-certified)</b>
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 10–69 mm</b>
<b>Sound insulation</b>	<b>2 pieces of heavy bitumen foil, 5 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential (PEFC-certified)</b> Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</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	10	20	24	28	34	38	40	44	50	54	64	69
Thickness sound insulation	mm	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,617</b>	<b>1,106</b>	<b>0,982</b>	<b>0,883</b>	<b>0,767</b>	<b>0,705</b>	<b>0,678</b>	<b>0,629</b>	<b>0,568</b>	<b>0,533</b>	<b>0,463</b>	<b>0,434</b>
<b>Airborne sound insulation</b>	<b>40 dB</b> , element thickness: 54 mm; test surface: 2.3 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	35,0	35,2	35,3	35,3	35,4	35,5	35,6	35,6	35,8	35,8	36,0	36,2

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, untreated, 16 mm (PEFC-certified)</b>
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 12–57 mm</b>
<b>Sound insulation</b>	<b>2 pieces of heavy bitumen foil, 5 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential (PEFC-certified)</b> Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 54 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 54 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 54 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
Thickness thermal insulation	mm	12	16	22	26	28	32	38	42	52	57
Thickness sound insulation	mm	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,313</b>	<b>1,142</b>	<b>0,955</b>	<b>0,861</b>	<b>0,821</b>	<b>0,750</b>	<b>0,665</b>	<b>0,618</b>	<b>0,525</b>	<b>0,488</b>
<b>Airborne sound insulation</b>	<b>43 dB</b> , element thickness: 64 mm; test surface: 1.9 m <sup>2</sup> (download test reports)										
Weight	kg/m <sup>2</sup>	43,9	44,0	44,1	44,2	44,2	44,3	44,4	44,5	44,7	44,8

<b>Cover panel and surface</b>	<b>Biofaser Hydropan BF-STX hardboard, untreated, 8 mm</b> (certified FSC, PEFC, CE)
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 14–73 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential or on the longitudinal edges</b> (PEFC-certified) Other types of wood available; 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 specification</b> Special CNC processing such as cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses of 100 mm and more, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
Thermal insulation thickness	mm	14	24	28	32	38	42	48	54	58	68	73
Sound insulation thickness	mm	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,420</b>	<b>1,010</b>	<b>0,906</b>	<b>0,821</b>	<b>0,719</b>	<b>0,665</b>	<b>0,597</b>	<b>0,541</b>	<b>0,510</b>	<b>0,445</b>	<b>0,418</b>
<b>Airborne sound insulation</b>	<b>46 dB</b> , element thickness: 64 mm; test surface: 1.82 m <sup>2</sup> (download test reports)											
Weight	kg/m <sup>2</sup>	34,7	34,9	35,0	35,0	35,2	35,2	35,4	35,5	35,6	35,8	35,9

## SOUND INSULATION 1 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>Glass wool, 20 kg/m<sup>3</sup>, 15–74 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>Spruce, circumferential (PEFC-certified)</b> Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Alle Elementstärken von 40 mm bis 99 mm herstellbar. Für weitere U-Wert-Berechnungen wenden Sie sich bitte an unsere Berater.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</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	15	25	29	33	39	43	45	49	55	59	69	74
Thickness sound insulation	mm	5	5	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,331</b>	<b>0,964</b>	<b>0,868</b>	<b>0,790</b>	<b>0,696</b>	<b>0,645</b>	<b>0,622</b>	<b>0,580</b>	<b>0,528</b>	<b>0,498</b>	<b>0,436</b>	<b>0,410</b>
<b>Airborne sound insulation</b>	<b>38 dB</b> , element thickness: 54 mm; test surface: 2.3 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	25,1	25,3	25,4	25,4	25,5	25,6	25,7	25,7	25,8	25,9	26,1	26,3

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, with white primer foil, 16 mm (PEFC-certified)</b>
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 17–62 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>Spruce, circumferential (PEFC-certified)</b> Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 54 mm to 99 mm can be produced</b> For thicknesses as from 113 mm, see extension elements for wooden lifting sliding doors For thicknesses below 54 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 54 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
Thickness thermal insulation	mm	17	21	27	31	33	37	43	47	57	62
Thickness sound insulation	mm	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,118</b>	<b>0,992</b>	<b>0,847</b>	<b>0,773</b>	<b>0,740</b>	<b>0,682</b>	<b>0,611</b>	<b>0,571</b>	<b>0,491</b>	<b>0,459</b>
<b>Airborne sound insulation</b>	<b>40 dB</b> , element thickness: 64 mm; test surface: 1.9 m <sup>2</sup> (download test reports)										
Weight	kg/m <sup>2</sup>	33,2	33,3	33,4	33,5	33,5	33,6	33,7	33,8	34,0	34,1

<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>Glass wool, 20 kg/m<sup>3</sup>, 15–74 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>Spruce, circumferential</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</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	15	25	29	33	39	43	45	49	55	59	69	74
Thickness sound insulation	mm	5	5	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,237</b>	<b>0,914</b>	<b>0,827</b>	<b>0,756</b>	<b>0,669</b>	<b>0,622</b>	<b>0,600</b>	<b>0,562</b>	<b>0,512</b>	<b>0,484</b>	<b>0,425</b>	<b>0,401</b>
<b>Airborne sound insulation</b>	<b>38 dB</b> , element thickness: 54 mm; test surface: 2.3 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	25,7	25,9	26,0	26,1	26,2	26,3	26,3	26,4	26,5	26,6	26,8	26,9

## SOUND INSULATION 2 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>Glass wool, 20 kg/m<sup>3</sup>, 10–69 mm</b>
<b>Sound insulation</b>	<b>2 pieces of heavy bitumen foil, 5 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential (PEFC-certified)</b> Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</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	10	20	24	28	34	38	40	44	50	54	64	69
Thickness sound insulation	mm	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,617</b>	<b>1,106</b>	<b>0,982</b>	<b>0,883</b>	<b>0,767</b>	<b>0,705</b>	<b>0,678</b>	<b>0,629</b>	<b>0,568</b>	<b>0,533</b>	<b>0,463</b>	<b>0,434</b>
<b>Airborne sound insulation</b>	<b>40 dB</b> , element thickness: 54 mm; test surface: 2.3 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	35,0	35,2	35,3	35,3	35,4	35,5	35,6	35,6	35,8	35,8	36,0	36,2

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, with white primer foil, 16 mm (PEFC-certified)</b>
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 12–57 mm</b>
<b>Sound insulation</b>	<b>2 pieces of heavy bitumen foil, 5 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential (PEFC-certified)</b> Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 54 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 54 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 54 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
Thickness thermal insulation	mm	12	16	22	26	28	32	38	42	52	57
Thickness sound insulation	mm	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,313</b>	<b>1,142</b>	<b>0,955</b>	<b>0,861</b>	<b>0,821</b>	<b>0,750</b>	<b>0,665</b>	<b>0,618</b>	<b>0,525</b>	<b>0,488</b>
<b>Airborne sound insulation</b>	<b>43 dB</b> , element thickness: 64 mm; test surface: 1.9 m <sup>2</sup> (download test reports)										
Weight	kg/m <sup>2</sup>	43,9	44,0	44,1	44,2	44,2	44,3	44,4	44,5	44,7	44,8

<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>Glass wool, 20 kg/m<sup>3</sup>, 10–69 mm</b>
<b>Sound insulation</b>	<b>2 pieces of heavy bitumen foil, 5 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</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	10	20	24	28	34	38	40	44	50	54	64	69
Thickness sound insulation	mm	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,480</b>	<b>1,040</b>	<b>0,930</b>	<b>0,840</b>	<b>0,735</b>	<b>0,678</b>	<b>0,652</b>	<b>0,607</b>	<b>0,550</b>	<b>0,517</b>	<b>0,451</b>	<b>0,423</b>
<b>Airborne sound insulation</b>	<b>45 dB</b> , element thickness: 54 mm; test surface: 2.3 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	35,6	35,8	35,9	36,0	36,1	36,2	36,2	36,3	36,4	36,5	36,7	36,8



## SOUND INSULATION 1 VENEERED

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, 10 mm, with real wood veneer, 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>Glass wool, 20 kg/m<sup>3</sup>, 13–72 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>Spruce, circumferential</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Alle Elementstärken von 40 mm bis 99 mm herstellbar. Für weitere U-Wert-Berechnungen wenden Sie sich bitte an unsere Berater.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</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>
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1	1
Thickness thermal insulation	mm	13	23	27	31	37	41	43	47	53	57	67	72
Thickness sound insulation	mm	5	5	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,411</b>	<b>1,006</b>	<b>0,902</b>	<b>0,818</b>	<b>0,717</b>	<b>0,663</b>	<b>0,639</b>	<b>0,595</b>	<b>0,540</b>	<b>0,509</b>	<b>0,444</b>	<b>0,417</b>
<b>Airborne sound insulation</b>	<b>38 dB</b> , element thickness: 54 mm; test surface: 2.3 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	26,0	26,2	26,2	26,3	26,4	26,5	26,6	26,7	26,8	26,9	27,0	27,1

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, 16 mm, with real wood veneer, 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>Glass wool, 20 kg/m<sup>3</sup>, 11–60 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>Spruce, circumferential</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 50 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 50 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 50 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1
Thickness thermal insulation	mm	11	15	19	25	29	31	35	41	45	55	60
Thickness sound insulation	mm	5	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,357</b>	<b>1,174</b>	<b>1,036</b>	<b>0,879</b>	<b>0,799</b>	<b>0,764</b>	<b>0,703</b>	<b>0,627</b>	<b>0,585</b>	<b>0,501</b>	<b>0,467</b>
<b>Airborne sound insulation</b>	<b>40 dB</b> , element thickness: 64 mm; test surface: 1.9 m <sup>2</sup> (download test reports)											
Weight	kg/m <sup>2</sup>	34,0	34,1	34,2	34,3	34,4	34,4	34,5	34,6	34,7	34,9	35,0

<b>Cover panel and surface</b>	<b>Biofaser Hydropan BF-STX hardboard, 8 mm, untreated (unsanded), 1,4 mm</b> (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)
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 17–76 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential or on the longitudinal edges</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses of 100 mm and more, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
<b>Veneer thickness</b>	<b>mm</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
Thermal insulation thickness	mm	17	27	31	35	41	45	51	57	61	71	76
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,259</b>	<b>0,926</b>	<b>0,837</b>	<b>0,764</b>	<b>0,676</b>	<b>0,627</b>	<b>0,566</b>	<b>0,516</b>	<b>0,487</b>	<b>0,428</b>	<b>0,403</b>
<b>Airborne sound insulation</b>	<b>43 dB</b> , element thickness: 64 mm; test surface: 1.82 m <sup>2</sup> (download test reports)											
Weight	kg/m <sup>2</sup>	25,7	25,9	26,0	26,0	26,2	26,2	26,4	26,5	26,6	26,8	26,8

## SOUND INSULATION 2 VENEERED

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, 10 mm, with real wood veneer, 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>Glass wool, 20 kg/m<sup>3</sup>, 8–67 mm</b>
<b>Sound insulation</b>	<b>2 pieces of heavy bitumen foil, 5 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses as from 99 mm, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</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>
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1	1	1
Thickness thermal insulation	mm	8	18	22	26	32	36	38	42	48	52	62	67
Thickness sound insulation	mm	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,737</b>	<b>1,161</b>	<b>1,025</b>	<b>0,917</b>	<b>0,793</b>	<b>0,727</b>	<b>0,698</b>	<b>0,646</b>	<b>0,582</b>	<b>0,546</b>	<b>0,472</b>	<b>0,441</b>
<b>Airborne sound insulation</b>	<b>40 dB</b> , element thickness: 54 mm; test surface: 2.3 m <sup>2</sup> (download test reports)												
Weight	kg/m <sup>2</sup>	35,9	36,1	36,2	36,3	36,4	36,5	36,5	36,6	36,7	36,8	36,9	37,0

<b>Cover panel and surface</b>	<b>Chipboard P5, E1, 16 mm, with real wood veneer, 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>Glass wool, 20 kg/m<sup>3</sup>, 10–55 mm</b>
<b>Sound insulation</b>	<b>2 pieces of heavy bitumen foil, 5 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 54 mm to 99 mm can be produced</b> For thicknesses as from 100 mm, see extension elements for wooden lifting sliding doors For thicknesses below 54 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 54 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.

<b>Element thickness</b>	<b>mm</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>70</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Thickness cover panel</b>	<b>mm</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
Veneer thickness	mm	1	1	1	1	1	1	1	1	1	1
Thickness thermal insulation	mm	10	14	20	24	26	30	36	40	50	55
Thickness sound insulation	mm	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5	2 × 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,392</b>	<b>1,201</b>	<b>0,996</b>	<b>0,894</b>	<b>0,851</b>	<b>0,775</b>	<b>0,684</b>	<b>0,635</b>	<b>0,537</b>	<b>0,498</b>
<b>Airborne sound insulation</b>	<b>43 dB</b> , element thickness: 64 mm; test surface: 1.9 m <sup>2</sup> (download test reports)										
Weight	kg/m <sup>2</sup>	44,0	44,1	44,2	44,3	44,3	44,4	44,5	44,6	44,8	45,7

<b>Cover panel and surface</b>	<b>Biofaser Hydropan BF-STX hardboard, untreated, 8 mm, with real wood veneer (unsanded), 1,4 mm</b> (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)
<b>Thermal insulation</b>	<b>Glass wool, 20 kg/m<sup>3</sup>, 12–71 mm</b>
<b>Bonding</b>	Water-resistant D3 (EN 204-D3)
<b>Edge band</b>	<b>Spruce, circumferential or on the longitudinal edges</b> (PEFC-certified) Other types of wood available; 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, round and segment arches, ventilation slots or surface grooves are also possible
<b>Thicknesses</b>	<b>Thicknesses from 40 mm to 99 mm can be produced</b> For thicknesses of 100 mm and more, see extension elements for wooden lifting sliding doors For thicknesses below 40 mm, see infill for wooden windows
<b>Formats</b>	<b>All formats from 500 × 95 mm to 3588 × 1294 mm can be produced</b>

Element thicknesses from 40 mm to 99 mm can be produced. For further U-value calculations, please contact our consultants.												
<b>Element thickness</b>	<b>mm</b>	<b>40</b>	<b>50</b>	<b>54</b>	<b>58</b>	<b>64</b>	<b>68</b>	<b>74</b>	<b>80</b>	<b>84</b>	<b>94</b>	<b>99</b>
<b>Cover panel thickness</b>	<b>mm</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
<b>Veneer thickness</b>	<b>mm</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
Thermal insulation thickness	mm	12	22	26	30	36	40	46	52	56	66	71
Sound insulation thickness	mm	<b>2 x 5</b>	<b>2 x 5</b>	2 x 5	2 x 5	2 x 5	2 x 5	2 x 5	2 x 5	2 x 5	2 x 5	2 x 5
<b>U-value</b>	<b>W/m<sup>2</sup>K</b>	<b>1,512</b>	<b>1,056</b>	<b>0,942</b>	<b>0,851</b>	<b>0,742</b>	<b>0,684</b>	<b>0,612</b>	<b>0,554</b>	<b>0,521</b>	<b>0,454</b>	<b>0,425</b>
<b>Airborne sound insulation</b>	<b>46 dB</b> , element thickness: 64 mm; test surface: 1.82 m <sup>2</sup> (download test reports)											
Weight	kg/m <sup>2</sup>	35,6	35,8	35,9	35,9	36,1	36,1	36,3	36,4	36,5	36,7	36,7