

## Frame extension elements for plastic windows

### Sound insulation

#### SOUND INSULATION 1 WHITE

Cover panel and surface	Unplasticised PVC, colour available from Veka, Kömmerling, Finstral or Internorm, 4 mm
Thermal insulation	Glass wool, 70 kg/m <sup>3</sup> , 32–104 mm
Bonding	Water-resistant D4 (EN 204-D4)
Edge band	Plywood IW67, circumferential
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications Special CNC processing like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for plastic lifting sliding doors For thicknesses below 40 mm, see infill for plastic windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

Element thicknesses from 40 mm to 112 mm can be produced. For further U-value calculations, please contact our consultants.

Element thickness	mm	40	50	54	58	60	68	70	76	80	86	90	100	112
Thickness cover panel	mm	4	4	4	4	4	4	4	4	4	4	4	4	4
Thickness thermal insulation	mm	32	42	46	50	52	60	62	68	72	78	82	92	104
U-value	W/m <sup>2</sup> K	0.902	0.721	0.668	0.622	0.601	0.530	0.515	0.474	0.450	0.419	0.400	0.360	0.322
Airborne sound insulation	37 dB, element thickness: 70 mm; test surface: 1.9 m <sup>2</sup> (download test reports)													
Weight	kg/m <sup>2</sup>	13.5	14.2	14.7	15.0	14.8	15.3	15.5	15.9	16.1	16.5	16.8	17.7	18.2

## SOUND INSULATION 2 WHITE

Cover panel and surface	Unplasticised PVC, colour available from Veka, Kömmerling, Finstral or Internorm, 4 mm
Thermal insulation	Glass wool, 70 kg/m <sup>3</sup> , 27–99 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D4 (EN 204-D4)
Edge band	Plywood IW67, circumferential
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications Special CNC processing like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 40 mm to 112 mm can be produced For thicknesses as from 113 mm, see extension elements for plastic lifting sliding doors For thicknesses below 40 mm, see infill for plastic windows
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Thickness cover panel	mm	4	4	4	4	4	4	4	4	4	4	4	4	4
Thickness thermal insulation	mm	27	37	41	45	47	55	57	63	67	73	77	87	99
Thickness sound insulation	mm	5	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m <sup>2</sup> K	1.020	0.795	0.731	0.676	0.651	0.569	0.551	0.505	0.478	0.443	0.422	0.378	0.336
Airb. sound insulation	44 dB, element thickness: 70 mm; test surface: 1.9 m <sup>2</sup> (download test reports)													
Weight	kg/m <sup>2</sup>	23.2	24.0	24.1	24.4	24.7	25.0	25.2	25.6	25.8	26.1	26.4	27.1	27.9

## SOUND INSULATION 1 RENOLIT FOIL

Cover panel and surface	Unplasticised PVC with Renolit foil, 4 mm (all colours available)
Thermal insulation	Glass wool, 70 kg/m <sup>3</sup> , 32–104 mm
Bonding	Water-resistant D4 (EN 204-D4)
Edge band	Plywood IW67, circumferential
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications Special CNC processing like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
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Airborne sound insulation	37 dB, element thickness: 70 mm; test surface: 1.9 m <sup>2</sup> (download test reports)													
Weight	kg/m <sup>2</sup>	13.5	14.2	14.4	14.7	14.8	15.3	15.5	15.9	16.1	16.6	16.8	17.4	18.2

## SOUND INSULATION 2 RENOLIT FOIL

Cover panel and surface	Unplasticised PVC with Renolit foil, 4 mm (all colours available)
Thermal insulation	Glass wool, 70 kg/m <sup>3</sup> , 27–99 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D4 (EN 204-D4)
Edge band	Plywood IW67, circumferential
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications Special CNC processing like cut-outs, round and segment arches, ventilation slots or surface grooves are also possible
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