FRINORM®

Frame extension elements for plastic windows
Sound insulation

SOUND INSULATION 1 WHITE

Cover panel and surface	**Unplasticised PVC, colour available from Veka, Kömmerling or Finstral, 4 mm**
Thermal insulation	**Glass wool, 70 kg/m³, 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 or surface finishing like 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/m²K**	**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 m² (download test reports)													
Weight	kg/m²	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 or Finstral, 4 mm**
Thermal insulation	**Glass wool, 70 kg/m³, 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 or surface finishing like 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/m²K**	**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 m² (download test reports)													
Weight	kg/m²	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/m³, 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 or surface finishing like 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	32	42	46	50	52	60	62	68	72	78	82	92	104
U-value	**W/m²K**	**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 m² (download test reports)													
Weight	kg/m²	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

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