FRINORM®

Frame extension elements for plastic lifting sliding doors
Sound insulation

SOUND INSULATION 1 WHITE

Cover panel and surface	Rigid PVC in Veka, Kömmerling or Finstral colourways, 4 mm
Thermal insulation	Glass wool, 70 kg/m³, 105–212 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Plywood, circumferential Special edge bands can be inset according to your requirements
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications Special CNC processing such as cut-outs or surface finishing such as ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 113 mm to 220 mm can be produced For thicknesses under 113 mm, see frame extension elements for plastic windows
Formats	All formats from 500 × 95 mm to 3588 × 1294 mm can be produced

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

Element thickness	**mm**	**113**	**120**	**130**	**140**	**150**	**160**	**170**	**180**	**190**	**200**	**210**	**220**
Cover panel thickness	**mm**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Thermal insulation thickness	mm	105	112	122	132	142	152	162	172	182	192	202	212
U-value	**W/m²K**	**0.319**	**0.300**	**0.277**	**0.257**	**0.240**	**0.225**	**0.212**	**0.200**	**0.190**	**0.180**	**0.171**	**0.164**
Airborne sound insulation	**41 dB,** element thickness: 179 mm; test surface: 1.9 m² (download test reports)												
Weight	kg/m²	18.3	18.7	19.4	20.0	20.7	21.3	22.0	22.6	23.3	23.9	24.6	25.2

SOUND INSULATION 2 WHITE

Cover panel and surface	Rigid PVC in Veka, Kömmerling or Finstral colourways, 4 mm
Thermal insulation	Glass wool, 70 kg/m³, 100–207 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Plywood, circumferential Special edge bands can be inset according to your requirements
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications Special CNC processing such as cut-outs or surface finishing such as ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 113 mm to 220 mm can be produced For thicknesses under 113 mm, see frame extension elements for plastic windows
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Element thickness	**mm**	**113**	**120**	**130**	**140**	**150**	**160**	**170**	**180**	**190**	**200**	**210**	**220**
Cover panel thickness	**mm**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**
Thermal insulation thickness	mm	100	107	117	127	137	147	157	167	177	187	197	207
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5
U-value	**W/m²K**	**0.332**	**0.312**	**0.287**	**0.266**	**0.248**	**0.232**	**0.218**	**0.205**	**0.194**	**0.184**	**0.175**	**0.167**
Airborne sound insulation	**46 dB,** element thickness: 179 mm; test surface: 1.9 m² (download test reports)												
Weight	kg/m²	27.9	28.4	29.1	29.7	30.4	31.0	31.7	32.3	33.0	33.6	34.3	34.9

SOUND INSULATION 1 HPL DECORATIVE FILM

Cover panel and surface	HPL with decorative film, 4 mm (all colours available)
Thermal insulation	Glass wool, 70 kg/m³, 105–212 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Plywood, circumferential Special edge bands can be inset according to your requirements
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications Special CNC processing such as cut-outs or surface finishing such as ventilation slots or surface grooves are also possible
Thicknesses	Thicknesses from 113 mm to 220 mm can be produced For thicknesses under 113 mm, see frame extension elements for plastic windows
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Element thickness	mm	113	120	130	140	150	160	170	180	190	200	210	220
Cover panel thickness	mm	4	4	4	4	4	4	4	4	4	4	4	4
Thermal insulation thickness	mm	105	112	122	132	142	152	162	172	182	192	202	212
U-value	W/m²K	0.319	0.300	0.277	0.257	0.240	0.225	0.212	0.200	0.190	0.180	0.171	0.164
Airborne sound insulation	41 dB, element thickness: 179 mm; test surface: 1.9 m² (download test reports)												
Weight	kg/m²	18.3	18.7	19.4	20.0	20.7	21.3	22.0	22.6	23.3	23.9	24.6	25.2

SOUND INSULATION 2 HPL DECORATIVE FILM

Cover panel and surface	HPL with decorative film, 4 mm (all colours available)
Thermal insulation	Glass wool, 70 kg/m³, 100–207 mm
Sound insulation	1 piece of heavy bitumen foil, 5 mm
Bonding	Water-resistant D3 (EN 204-D3)
Edge band	Plywood, circumferential Special edge bands can be inset according to your requirements
Edge milling	All possible CNC edge profile work is performed on all sides according to your profile specifications Special CNC processing such as cut-outs or surface finishing such as ventilation slots or surface grooves are also possible
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Cover panel thickness	mm	4	4	4	4	4	4	4	4	4	4	4	4
Thermal insulation thickness	mm	100	107	117	127	137	147	157	167	177	187	197	207
Sound insulation thickness	mm	5	5	5	5	5	5	5	5	5	5	5	5
U-value	W/m²K	0.332	0.312	0.287	0.266	0.248	0.232	0.218	0.205	0.194	0.184	0.175	0.167
Airborne sound insulation	46 dB, element thickness: 179 mm; test surface: 1.9 m² (download test reports)												
Weight	kg/m²	27.9	28.4	29.1	29.7	30.4	31.0	31.7	32.3	33.0	33.6	34.9	35.0

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