

Product Comparison Table

	Aluprof MB 78 EI Fixed Light	Aluprof MB 78 EI Silicone Jointed Screen	Aluprof MB 78 EI Technical Window	Aluprof MB 78 EI Door	Aluprof MB 78 EI DPA Sliding Door	Aluprof MB 118 EI Fixed Light	Aluprof MB SR50N EI Curtain Wall	Aluprof MB SR50N EI EFEKT Curtain Wall	Reynaers CS 77 FP Fixed Light	Reynaers CS 77 FP Door	Reynaers CW 50 FP Curtain Wall
Application											
Internal	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
External	✓	X	✓	✓	X	✓	✓	✓	✓	✓	✓
Compartmentation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Boundary protection	✓	X	✓	✓	X	✓	✓	✓	✓	✓	✓
Protecting means of escape	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Level of fire protection (integrity and insulation)											
EI 30	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓
EI 60	✓	✓	✓	✓	X	X	✓	✓	✓	✓	✓
EI 90	✓	X	✓	✓	X	X	X	X	X	X	X
EI 120	X	X	X	X	X	✓	X	X	X	X	X
Size and weight data											
Max width of frame	Unlimited (expansion joint required at max 6000mm)	Unlimited (expansion joint required at max 6000mm)	1000mm	-	-	Unlimited (expansion joint required at max 6000mm)	Varies - design dependent	Varies - design dependent	Varies - design dependent	Varies - design dependent	Varies - design dependent
Max height of frame	4800mm (EI30) 5160mm (EI60)	3600mm (EI30) 3400mm (EI60)	2000mm	4800mm (EI30) 5160mm (EI60)	4800mm	4000mm	Varies - design dependent	Varies - design dependent	Varies - design dependent	Varies - design dependent	Max 5850mm between slab connections
Max single sash leaf width	-	-	1000mm	1400mm*	1500mm*	-	-	-	-	1310mm*	-
Max double sash width	-	-	-	2500mm*	3000mm*	-	-	-	-	2600mm*	-
Max door height	-	-	2000mm	3006mm (EI30/EI60) 2500mm (EI90)	Max 2550mm Min 2055mm	-	-	-	-	2750mm	-
Maximum weight of door leaf	-	-	-	250kg	200kg	-	-	-	-	165kg	-
Maximum weight of glass unit	-	-	-	-	-	410kg	300kg	300kg	Project dependent	Project dependent	700kg
Typical frame depth	78mm	78mm	78mm	78mm	178mm	118mm	85 - 225mm	85 - 225mm	68mm	68mm	63 - 105mm
Typical visible frame dimension	72mm	61mm	72mm	157mm	72mm	83mm	50mm	50mm	77mm	1050mm	50mm
Typical visible transom / mullion dimension	99mm	-	99mm	99mm	94mm	110mm	50mm	50mm	102mm	102mm	50mm
Glass thickness range	8 - 65mm**	8 - 65mm**	8 - 65mm**	8 - 65mm**	8 - 50mm**	31 - 84mm	16 - 64mm	16 - 64mm	15 - 49mm	15 - 49mm	35 - 48mm
Performance data											
Typical thermal insulation W/m²K	1.6	-	1.6	1.6	N/A	1.6	1.8	1.8	1.6	1.6	1.6
Air permeability	Class 2 EN 12207	Class 2 EN 12207	Class 2 EN 12207	Class 2 EN 12207	-	Class A4 EN 12152	Class AE 1050 EN 12152	Class AE1200 Pa EN 12153	Class 4 (600 Pa)	Class 4 (600 Pa)	AE 1200 (1200 Pa)
Watertightness	Class 5A EN 12208	Class 5A EN 12208	Class 5A EN 12208	Class 5A EN 12208	-	Class RE 750 EN 12154	Class RE 1200 EN 12154	Class RE1200 EN 12155	9A (600 Pa)	9A (600 Pa)	RE 1200 (1200 Pa)
Acoustic performance (Rw)	to 41 dB	to 41 dB	to 41 dB	to 41 dB	-	-	-	-	to 41 dB	to 41 dB	to 60 dB
Security											
Design options											
Drainage	Visible with coloured cap	-	Visible with coloured cap	Visible with coloured cap	-	Visible with coloured cap	Concealed mullion drained	Concealed mullion drained	Visible with coloured cap	Visible with coloured cap	Concealed mullion drained
Faceted	✓	✓	-	-	-	-	✓	✓	-	-	✓
Sloped head	✓	✓	-	-	-	-	✓	✓	✓	-	✓
Curved on plan	✓	-	-	-	-	-	-	-	-	-	-
Curved on elevation	✓	-	-	-	-	-	-	-	-	-	-
Opening window	-	-	Yes, with closer and latch lock	-	-	-	-	-	-	-	-
Background ventilation	X	X	X	X	X	X	X	X	X	X	X
Glass applied flat bars	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lugg fix option (standard option is through frame)	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-
Cill options	Pressed cill	-	Pressed cill	Pressed cill	-	Pressed cill	Pressed cill	Pressed cill	Pressed cill	Pressed cill	Pressed cill
No threshold option for internal doors	-	-	-	✓	✓	-	-	-	-	✓	-
Fire escape emergency exit BS EN 179	-	-	-	✓	-	-	-	-	-	✓	-
Fire escape panic EN 1125	-	-	-	✓	-	-	-	-	-	✓	-
Finishes											
Standard, special and dual RAL colours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Marine grade guarantee available	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Anodised finishes available	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glazing options											
Impact protection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Laminated	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Satin obscured	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Solar control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Options for infill panels	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Barrier loading	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Silicone jointed	-	✓	-	-	-	-	-	✓	Option	-	-
Glass to glass corner	-	✓	-	-	-	-	-	-	✓	-	-
Certification											
3rd party accreditation for manufacture	OWS Fire Rated Certifire CF5784	Aluprof ITB 1036/16/R267N2P	OWS Fire Rated Certifire CF5784	OWS Fire Rated Certifire CF5784	OWS Fire Rated Certifire CF5784	Aluprof ITB AT-15-9186/2013	Aluprof Certifire CF5139	Aluprof Certifire CF5139	OWS Fire Rated Certifire CF5741	OWS Fire Rated Certifire CF5741	OWS Fire Rated Certifire CF5741
3rd party accreditation for installation	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689	OWS FIRAS VS0689
Fire tested to	EN 13501-2 EN 1364-1 EN 1634-1	EN 13501-2 EN 1364-1 EN 1634-1	EN 13501-2 EN 1364-1 EN 1634-1	EN 13501-2 EN 1364-1 EN 1634-1	EN 13501-2 EN 1364-1 EN 1634-1	EN 13501-2	EN 13501-2	EN 13501-2	EN 13501-2 EN 1364-1 EN 1634-1	EN 13501-2 EN 1364-1 EN 1634-1	EN 13501-2 EN 1364-3

* Maximum width and height dimensions may not be compatible together. Please refer to OWS for advice on wide / tall doors.

** Maximum glazing width for EI90 products is 49mm