

• Excellent fire protection performance

• 30, 60 and 90 minutes EI

• Minimized smoke and heat transfer

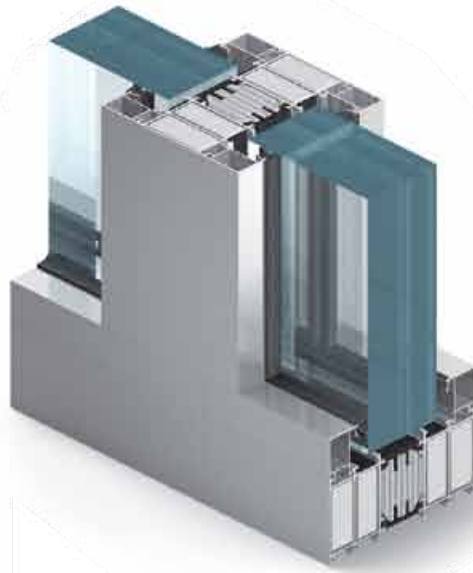
• No difference in look to non fire rated facade

Fire rated systems

MB-78EI

MB-118EI

MB-SR50 EI
MB-SR50N EI



Aluprof fire rated systems provide an extensive range of solutions to encompass all requirements in protecting “fire zones” in the building, and help to secure evacuation routes. Our Fire Rated product range includes a door & external window wall and internal partition wall system as well as high-rise curtain walling system, complemented by slope glazing & roof light options. Depending on requirements, these applications can achieve different level of performance in terms of fire rating, starting from EI30 to EI120 for vertical screens, and REI30/RE30 for roof glazing. On the top of that fire rated doors can be fitted with an additional elements to provide smoke proof performance.

FEATURES AND BENEFITS

MB-78EI	<ul style="list-style-type: none"> rebated single and double doors up to 2.5m height or automatic sliding doors MB-78EI DPA up to 2.45m height wall partitions and door and wall sets of height up to 4000 mm dual color options angular door mid-rail option large selection of specialized hardware clean, sharp lines of narrow extruded aluminum framing numerous finish options
MB-118EI	<ul style="list-style-type: none"> internal and external wall partitions of height up to 3750 mm ability to combine large number of units in the width offering flexibility and variety of use fabrication and instalation specs alike MB-78EI guidelines
MB-SR50 EI MB-SR50N EI	<ul style="list-style-type: none"> the same appearance for fire and non-fire rated elements of curtain wall facade various design and aesthetics options for capping system flexibility allows faceted joints up to +/-7.5 per side, and inclined facades up to +/- 15 as well as slope & roof glazing between 0 and 80 full compatibility with MB-78EI system allows fire rated door to be fitted into a curtain wall

TECHNICAL SPECIFICATION	MB-78EI	MB-118EI	MB-SR50 EI	MB-SR50N EI
Frame / mullions width	78	118	85 - 185	85 - 225
Leaf / transom width	78	118	65 - 145	69,5 - 189.5
Glazing thickness	6 - 49 mm	48-84 mm	15 - 52 mm	
Min visible width T profile				
Door frame / mullion	51 (72)	83	50	
Door leaf / transom	72 (51)	83	50	
Size and weight limitations				
Max size of door leaf / curtain wall element (HxW)	H do 2500 mm W do 1400 mm	H do 2500, W do 1400	H do 3000 mm / 1200 mm W do 1500 mm / 1800 mm	
Max weight of door leaf / curtain wall	250 kg	410 kg	300 kg	

PERFORMANCE	MB-78EI	MB-118EI	MB-SR50 EI / MB-SR50N EI
Air Permeability	Class 2 PN-EN 12207:2001	-	Class AE, PN-EN 12152
Watertightness	Class 5A, PN-EN 12208:2001	-	Class RE1200, PN-EN 12154
Fire resistance	partition walls & rebated doors: EI30, EI60 - EN 13501-2 automatic sliding doors: EI30 - EN 1634-1	EI120, EN 13501-2	EI15, EI30, EI45, EI60, EN-13501-2, roof lights: REI20 / RE30, EN 13501-2
Thermal insulation (U _f)	from 1,6 W/(m ² K)	-	from 1,9 W/(m ² K)
Acoustic Insulation	to 37 dB	-	-