

• 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-78EI is a fire rated Aluminium system for the construction of doors, & "window-wall" fixed glazing screens. Light enough in weight for ease of manufacture, transportation and installation, yet robust & strong due to its 78 mm, 3 chamber design. It meets the requirement of fire resistant classes EI15, EI30, EI45, EI60, EI90. The system is classified as non-fire propagating (NFP). It has been tested to the European fire standards of EN 13501-2, EN 1363-1, EN 1634-1, EN 1364-1 and fully approved by the building authorities.

## MB-SR50 EI



MB-SR50 EI is a "stick-build" mullion & transom curtain wall system, designed for the construction of fire-proof screens & facades. Used conventionally for all typical & the most challenging of designs & building requirements, the system has achieved classifications EI15, EI30, EI45, EI60 according to the standard BS-EN 1364-3. The system has been classified as non-fire-propagating (NFP). All standards attained have been approved by EXOVA, Warrington, as UK market compliant (Reg. No. 195772).

## MB-78EI



Ensuring excellent performance in even the most challenging conditions it also features high smoke tightness classifications according to EN13501-2:2003 – classes S<sub>m</sub> and S<sub>a</sub>. The classification according to UA GS VII.01/98 is S30. It may be applied for the purpose of building smoke-proof constructions.

## MB-SR50 EI



As a derivative of our regular MB-SR50 curtain wall system, the “EI” mullions & transoms are no different in their appearance, making it possible to include both fire rated & non-fire rated screens for the same project and indeed the same vicinity, without compromise of aesthetics.

### FEATURES AND BENEFITS

#### MB-78EI

- 1 or 2 leaf door of height up to 2500 mm
- 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-SR50 EI

- same appearance as per non fire rated curtain wall
- large selection of available types of fire rated glazing; ± 7.5 degree corner connection
- 15 degrees available deviation from vertical position
- wide range of finish options
- large, wire-free glass areas

TECHNICAL SPECIFICATION	MB-78EI Doors and Wall partitions	MB-SR50 EI Curtain wall
Frame / mullions width	78	85 - 185
Leaf / transom width	78	65 - 145
Glazing thickness	6 - 49 mm	15 - 52 mm
<b>Min visible width T profile</b>		
Door frame / mullion	51 (72)	50
Door leaf / transom	72 (51)	50
<b>Size and weight limitations</b>		
Max size of door leaf / curtain wall element (HxW)	H 2500 mm W 1400 mm	H 3000 mm / 1200 mm W 1500 mm / 1800 mm
Max weight of door leaf / curtain wall	250 kg	240 kg

PERFORMANCE	MB-78 EI	MB-SR50 EI
Air Permeability	Class 2 EN 12207:2001	-
Watertightness	Class 5A EN 12208:2001	-
Fire resistance	EI 15, EI 30, EI 45, EI 60, EI 90	EI 15, EI 30, EI 45, EI 60
Thermal insulation (U <sub>f</sub> )	from 1,6 W/m <sup>2</sup> K	from 1,9 W/m <sup>2</sup> K
Acoustic Insulation	to 37 dB	-