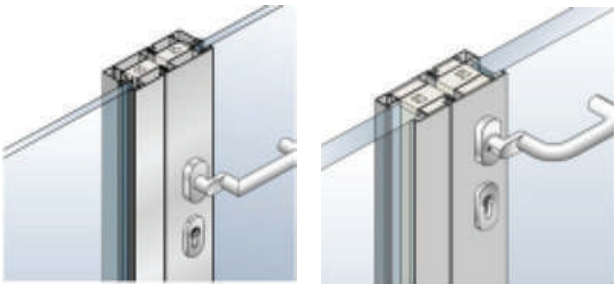


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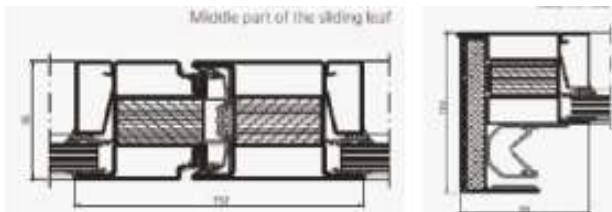
Fire Rated Doors & Partitions Thermally Insulated



This system is a highly advanced thermally insulated profile system used for flush mounted single or double-leaf swing doors, single and double-leaf sliding doors, windows and glazed partitions.

It is manufactured from cold rolled mild steel profiles, with zinc magnesium coating, square cut Snap-on glazing beads, and calcium silicate insulation embedded in the profiles.

The system has a nominal depth of 65mm, 70mm and 110mm; where the profiles can also be welded together to form complex constructions.



The system has been comprehensively tested to both the European and North American standards for fire resistance and other safety parameters.

The system is listed and labeled by M/S Intertek, a well - renown independent third-party certification body and is approved by the Civil Defense authorities across the GCC.



Technical Data

	Description	Result	Standard
Material options	Zinc magnesium (ZM) coated steel		
	Stainless steel grade 304 (brush finish grain 220-240)		
	Various profile depths available, depending on the fire rating		
Fire resistant options	Fixed partitions	EI30 to EI120	EN 1634-1
	Single and double doors	EI30 to EI90	
	Single and double automatic sliding doors	EI30 to EI90	
	Double action, non-rebated, unlatched swing doors (Single and double leaf)	EI30	
	Double egress doors/push pull	EI30 to EI60	
	Single action, non-rebated, unlatched swing doors (Single and double leaf)	EI30/EI60/EW90	
	Flush mounted sheet metal doors	EI30 to EI60	
	Fixed partitions	1 and 2 hours temperature rise restricted (T)	UL263/ NFPA251
	Single action, non-rebated, latched swing doors (Single and double leaf)	1 and 5 hours temperature rise restricted (T)	UL10C/ NFPA252
	Single and double doors		
	Sound absorbing/ fire rated panel	2 hours	ASTME119
Fire code compliance	European and North American Standards		
	NFPA101 and NFPA80		
	GCC Civil Defence Approved through local forster fabricators		
Tested design variants*	Fire resistant doors in combination with smoke rating requirements	Sa, S ₂₀₀	EN1634-3
	Burglar resistant doors	RC1-3	
Fittings	UL listed hardware available		
	Door closers complete within house cycling testing		
	Sound insulation (hinged doors, depth 60 mm)		
	Latch locks and lever handles		
	Un-latched systems available with pull handles		
	Compatible with access control devices		
System properties	Extremely slender visible section width and depth		
	Sound insulation (hinged doors, depth 60 mm)		
	Can be powder coated or wet paint coated (To be checked with local applicator)		
	Large glass panels available for fire rated systems		
	Large door sizes available for fire rated systems		
	Extremely economical manufacturing without special equipment		
	Robust system, resistant to damage		
	Can be used in conjunction with forster thermfix vario facades		
	Sound insulation (hinged doors EI30)	Up to 45 dB	EN ISO 140-3
	Sound insulation (fixed screens EI30)	Up to 48 dB	
	Sound insulation (hinged doors EI60)	Up to 47 dB	
	Sound insulation (fixed screens EI60)	Up to 48 dB	
	Sound insulation (hinged doors EI90)	Up to 47 dB	
	Sound insulation (fixed screens EI60)	Up to 48 dB	
Environmental & Sustainability Credentials	Environmental Product Declaration (EPD available)	Can apply online	
	High Recycle Content	Project specific declaration can be provided on request	