

Panelman Engineering (PTY) LTD

Reg. No. 2012/085401/07

PERSONNEL DOOR TECHNICAL DATA SHEET

	Product Name	EPS Personnel Door	PIR Personnel Door	M/W Personnel Door	Fire-Stop Personnel Door
CORE	Material	Expanded Polystyrene	Polyisocyanurate	Mineral - / Rock wool	Vermiculite
	Density [kg/m ³]	16	40	100	600
	Thickness [mm]	40	40	40	50
	Thermal Conductivity [W/(m.K)]	0,040	0,024	0,036	0,16
	Acoustic Value [Rw]	25	30	31	35
	Maximum Temperature [°C]	110	250	1000	1250
	Pollution	100% None	100% None	100% None	100% None
DOOR LEAF	Size [w x l]	[810 x 2032] Single [1600 x 2032] Double	[810 x 2032] Single [1600 x 2032] Double	[810 x 2032] Single [1600 x 2032] Double	[810 x 2032] Single [1600 x 2032] Double
	Thickness [mm]	40	40	40	50
	Tolerance	2.0mm	2.0mm	2.0mm	2.0mm
	Colour – leaf	Frost-White	Frost-White	Frost-White	Frost-White
	Colour – trim	Alluminium / Frost-White	Alluminium / Frost-White	Alluminium / Frost-White	Alluminium / Frost-White
	Facing skin	Chromadek	Chromadek	Chromadek	Chromadek
	Trim	Alluminium	Alluminium	Alluminium	Chromadek
	Hinges	Alluminium Bud	Alluminium Bud	Alluminium Bud	Stainless Steel Bud
Fasteners	Alluminium Blind Rivets	Alluminium Blind Rivets	Alluminium Blind Rivets	Steel Bolt / Nut	

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FRAME	Material	Alluminium	Alluminium	Alluminium	Painted Steel
	Type	Extruded	Extruded	Extruded	Tubular
	Rebate [mm]	20	20	20	25
	Gasket	Wool-Pile	Wool-Pile	Wool-Pile	*
FIRE	Maximum Temperature	110	250	1000	1250
	30-minute Rating [Low-risk]	*	*	*	<u>Class-F</u> 30 min Stability 30 min Integrity *Insulation
	30-minute Rating [High-risk]	*	*	*	<u>Class-E</u> 30 min Stability 30 min Integrity 30 min Insulation
	60-minute Rating [Low-risk]	*	*	*	<u>Class-A</u> 60 min Stability 30 min Integrity 30 min Insulation
	120-minute Rating [Low-risk]	*	*	*	<u>Class-B</u> 120 min Stability 60 min Integrity 60 min Insulation
	120-minute Rating [High-risk]	*	*	*	<u>Class-D</u> 120 min Stability 120 min Integrity 120 min Insulation

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IRONMONGERY

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STANDARD [Lockable]	Lock	Double Cylinder	Double Cylinder	Double Cylinder	Double Cylinder
	Backplate and handle	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
OR					
STANDARD [Non-Lockable]	Lock	*	*	*	*
	Backplate and handle	Alluminium backing plate with D-handle	Alluminium backing plate with D-handle	Alluminium backing plate with D-handle	Stainless Steel backing plate with D-handle
OR					
EMERGENCY ESCAPE	Lock	Single Cylinder	Single Cylinder	Single Cylinder	Single Cylinder
	Backplate and handle	Steel casing and knob	Steel casing and knob	Steel casing and knob	Steel casing and knob
	Panic device	Vertical Push bar [single or 3-point]	Vertical Push bar [single or 3-point]	Vertical Push bar [single or 3-point]	Vertical Push bar [single or 3-point]

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