**TECHNICAL** DATA SHEETS AND DRAWINGS



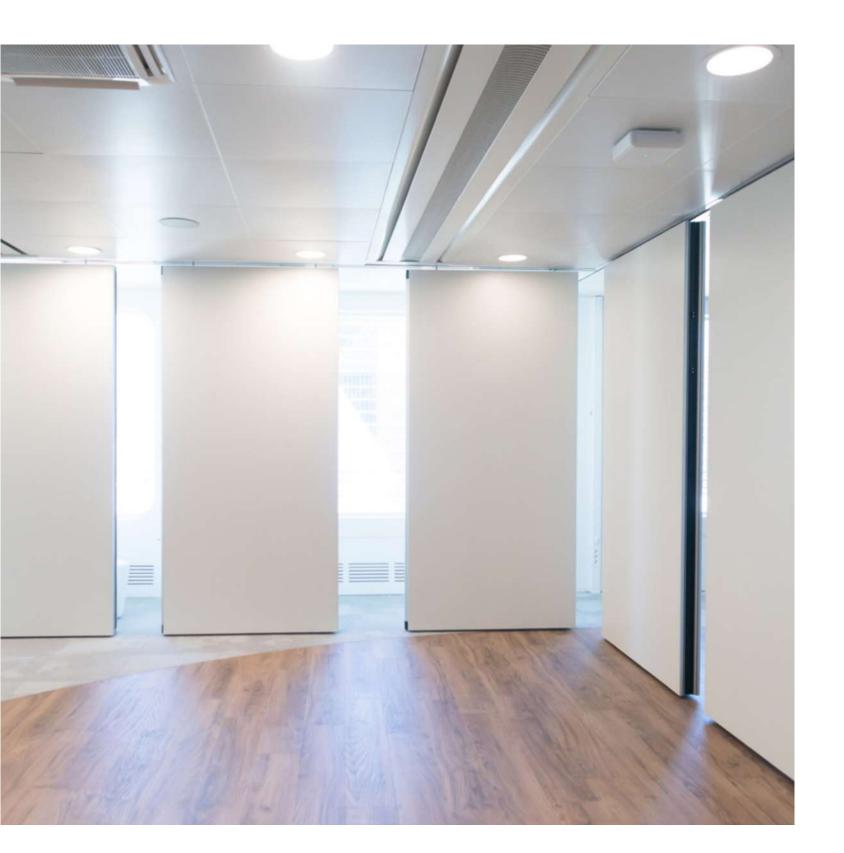


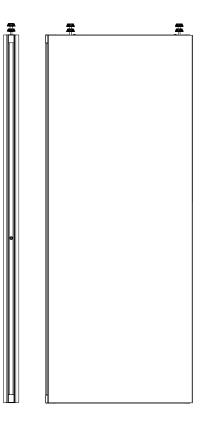
# TECHNICAL DATA SHEETS AND DRAWINGS

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## STANDARD PANEL





#### Technical data

recillical data			
Dimensions			
Thickness in mm	116	122	134
Width in mm	840 - 1300		
Height in mm (max.)	11000		
Construction			
Finishes	MFC/MDF		
Element connections	Complementary geometry aluminium profiles (Positive - Negative)		
Operation			
Manual	•		
Semi-automatic	0		
Full automatic	0		
Suspension	Monodirectional / Multidirectional		irectional
Technical features	Rw (dB)	De	nsity (kg/m²)
	42		39
Soundproofing to ISO 10140-2:2010*	44		40
	47		45
	50		50
	54		55
	57		58

\* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

Standard equipment

**ALMA PANELS** 

STANDARD PANEL

Option



#### **FULL AUTOMATIC**

Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption. Battery back-up is supplied as standard.



#### **SEMI-AUTOMATIC**

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

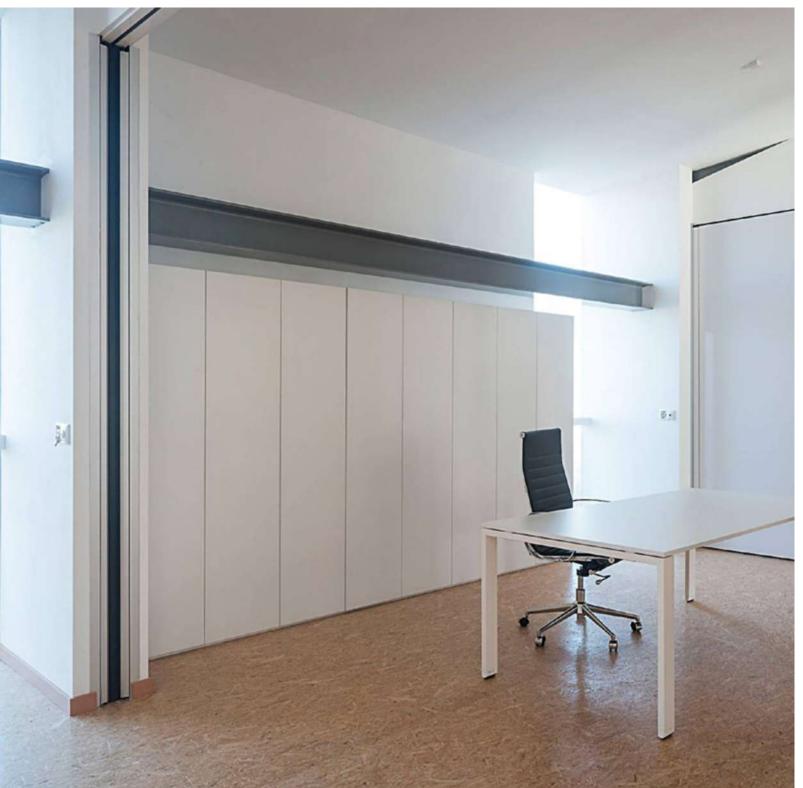


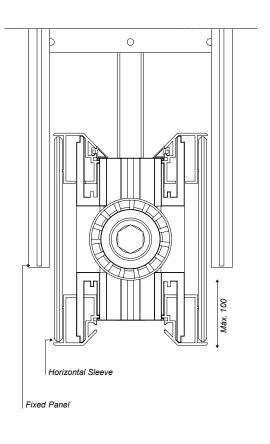


MANUAL Our Quick-Lock system allows the user to lock the panels quickly and safely after positioning. A simple half-turn of the handle seals the wall at the top and bottom to lock it from movement and to insulate it acoustically.

## FIXED TELESCOPIC JAMB

## **ALMA PANELS** FIXED TELESCOPIC JAMB





#### Technical data Dimensions

Dimensions			
Thickness in mm	116	122	134
Width in mm		840 - 1300	
Height in mm (max.)		11000	
Construction			
Finishes	MFC/MDF, Painte	d glass, Metal finis	hing, Plasterboard
Element connections		Complementary geometry aluminium profiles (Positive - Negative)	
Operation			
Manual		•	
Semi-automatic		0	
Full automatic		0	
Suspension	Monod	Monodirectional / Multidirectional	
Technical features	Rw (dB)	De	ensity (kg/m²)
	42		39
	44		40
Soundproofing to ISO 10140-2:2010*	47		45
	50		50
	54		55
	57		58

\* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

Standard equipment

Option



#### **FULL AUTOMATIC**

Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption. Battery back-up is supplied as standard.



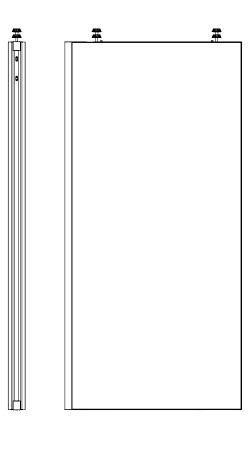
**SEMI-AUTOMATIC** Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.



## **TELESCOPIC**

## **ALMA PANELS TELESCOPIC**





### Technical data Dimensions

Thickness in mm	116	122	134	
Width in mm		840 - 1300		
Height in mm (max.)		11000		
Construction				
Finishes		MFC/MDF		
Element connections		Complementary geometry aluminium profiles (Positive - Negative)		
Operation				
Manual		•		
Semi-automatic	0			
Full automatic		0		
Suspension	Monodir	Monodirectional / Multidirectional		
Technical features	Rw (dB)	De	nsity (kg/m²)	
	42		39	
	44		40	
Soundproofing to ISO 10140-2:2010*	47		45	
	50		50	

\* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

Standard equipment

55

58

Option



#### **FULL AUTOMATIC**

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#### SEMI-AUTOMATIC

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.



54

57

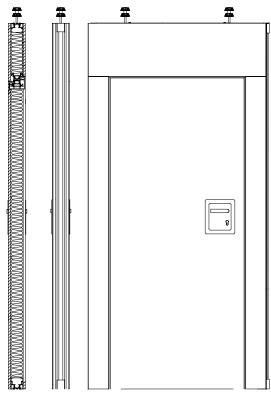
## MANUAL

Our Quick-Lock system allows the user to lock the panels quickly and safely after positioning. A simple half-turn of the handle seals the wall at the top and bottom to lock it from movement and to insulate it acoustically.

## SINGLE INSET PASSDOOR

## ALMA PANELS SINGLE INSET PASSDOOR





#### **Dimensions** Thickness in mm 116 122 134 Width in mm 850 / 900 Height in mm (max.) 11000 Width door panel in mm 1200 / 1250 Construction MFC/MDF Finishes Complementary geometry Element connections aluminium profiles (Positive - Negative) Operation Manual

\* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm. Standard equipmentOption

Density (kg/m²)

39

40

45

Monodirectional / Multidirectional

Rw (dB)

42

44

46



#### FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. All our handles are manufactured in Germany from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion or a pull handle for glazed doors and solid doors in less demanding environments.



#### **HINGE SYSTEM**

Our innovative concealed hinge allows full adjustment of the door in three dimensions. The Simonswerk hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.



#### CONTROL DETAILS

Low voltage electrical contacts are housed in our proprietary concave/convex aluminum profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.



#### **FULL AUTOMATIC**

Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption. Battery back-up is supplied as standard.



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Technical data

Semi-automatic

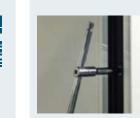
Full automatic

Suspension

Soundproofing

**Technical features** 

to ISO 10140-2:2010\*

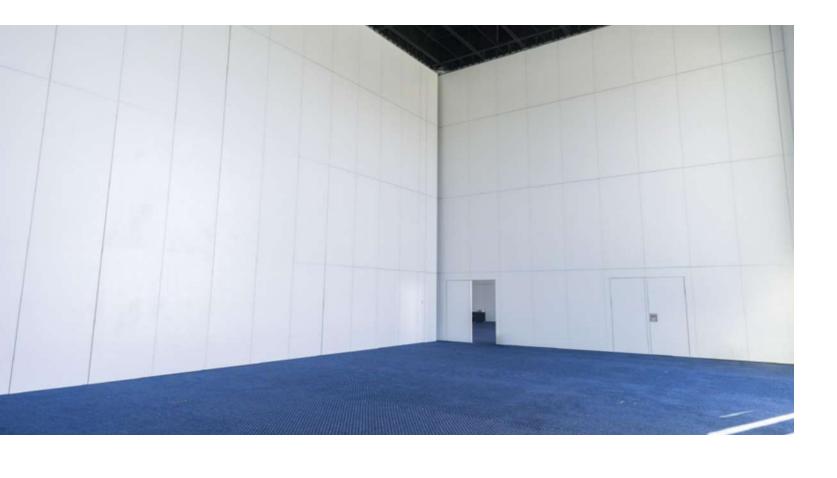


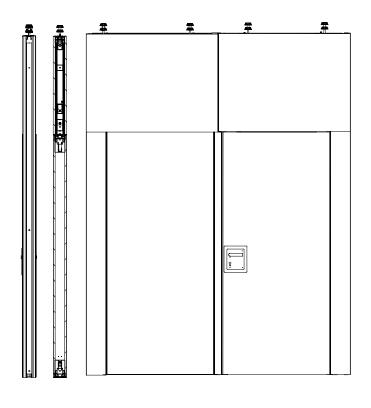
#### MANUAL

Our Quick-Lock system allows the user to lock the panels quickly and safely after positioning. A simple half-turn of the handle seals the wall at the top and bottom to lock it from movement and to insulate it acoustically.

## **DOUBLE INSET PASSDOOR**

## DOUBLE INSET PASSDOOR





#### Technical data **Dimensions** Thickness in mm 116 122 134 Width in mm 850 / 900 Height in mm (max.) 11000 Width door panel in mm 1200 / 1250 Construction MFC/MDF Finishes Complementary geometry aluminium profiles (Positive - Negative) Element connections Operation Manual Semi-automatic Full automatic Suspension Monodirectional / Multidirectional **Technical features** Rw (dB) Density (kg/m²) 42 39 44 40 47 45 Soundproofing to ISO 10140-2:2010\* 50 50

54

57

- \* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.
- Standard equipmentOption

55

58



#### FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. All our handles are manufactured in Germany from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion or a pull handle for glazed doors and solid doors in less demanding environments.



#### **HINGE SYSTEM**

Our innovative concealed hinge allows full adjustment of the door in three dimensions. The Simonswerk hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.



#### **CONTROL DETAILS**

Low voltage electrical contacts are housed in our proprietary concave/convex aluminum profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.



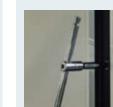
#### **FULL AUTOMATIC**

Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption. Battery back-up is supplied as standard.



#### **SEMI-AUTOMATIC**

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.





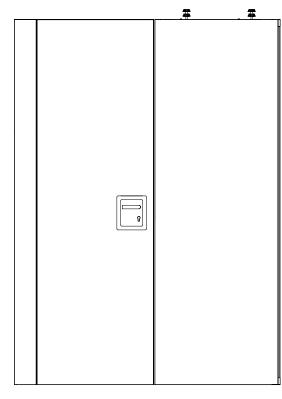
#### MANUAL

Our Quick-Lock system allows the user to lock the panels quickly and safely after positioning. A simple half-turn of the handle seals the wall at the top and bottom to lock it from movement and to insulate it acoustically.

## FULL-HEIGHT PASSDOOR

# FULL-HEIGHT PASSDOOR





Technical data			
Dimensions			
Thickness in mm	116	122	134
Width in mm	1050		
Height in mm (max.)	4000		
Construction			
Finishes	MFC/MDF		F
Element connections	Complementary geometry aluminium profiles (Positive - Negative		
Operation			
Manual	•		
Semi-automatic	0		
Full automatic	0		
Suspension	Monodirectional / Multidirectiona		ultidirectional
Technical features	Rw (dB)		Density (kg/m²
	42		39
Soundproofing to ISO 10140-2:2010*	44		40
	47		45
	50		50
	54		55
	57		58

\* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm. Standard equipment

Option



#### FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. All our handles are manufactured in Germany from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion or a pull handle for glazed doors and solid doors in less demanding environments.



#### **HINGE SYSTEM**

Our innovative concealed hinge allows full adjustment of the door in three dimensions. The Simonswerk hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.



#### **CONTROL DETAILS**

Low voltage electrical contacts are housed in our proprietary concave/convex aluminum profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.



#### SEMI-AUTOMATIC

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.



#### MANUAL

Our Quick-Lock system allows the user to lock the panels quickly and safely after positioning. A simple half-turn of the handle seals the wall at the top and bottom to lock it from movement and to insulate it acoustically.



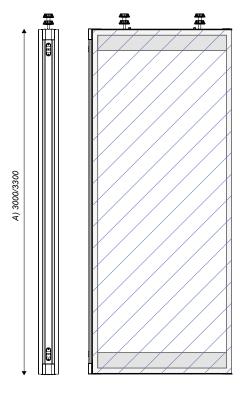
## **GLAZED PANEL**

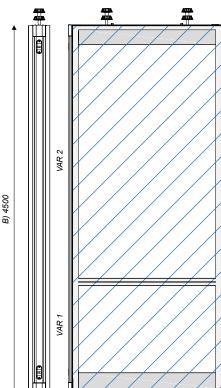
### **AQUA PANELS GLAZED PANEL**

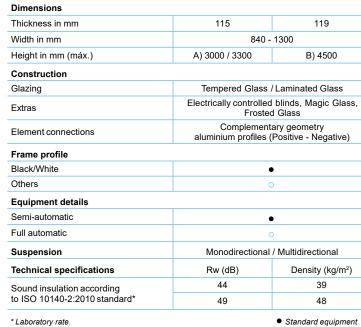
119

B) 4500









\* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

• Standard equipment Option

Density (kg/m²)

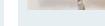
39

48





Technical data



#### **FULL AUTOMATIC**

Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption.
Battery back-up is supplied as standard.

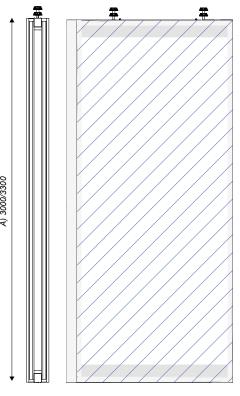


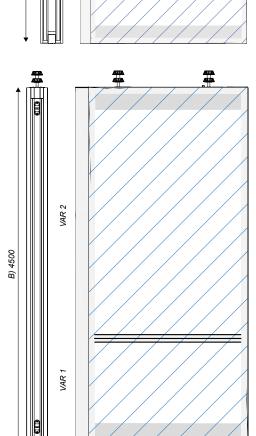
Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

## **TELESCOPIC**











#### Technical data

115	119	
840 -	1300	
A) 3000 / 3300	B) 4500	
Tempered Glass	/ Laminated Glass	
	Electrically controlled blinds, Magic Glass, Frosted Glass	
Complementary geometry aluminium profiles (Positive - Negative)		
	•	
0		
•		
0		
Monodirectional / Multidirectional		
Rw (dB)	Density (kg/m²)	
44	39	
49	48	
	A) 3000 / 3300  Tempered Glass Electrically controlled Froste Complement aluminium profiles (	

Standard equipment

\* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

Option









#### **FULL AUTOMATIC**

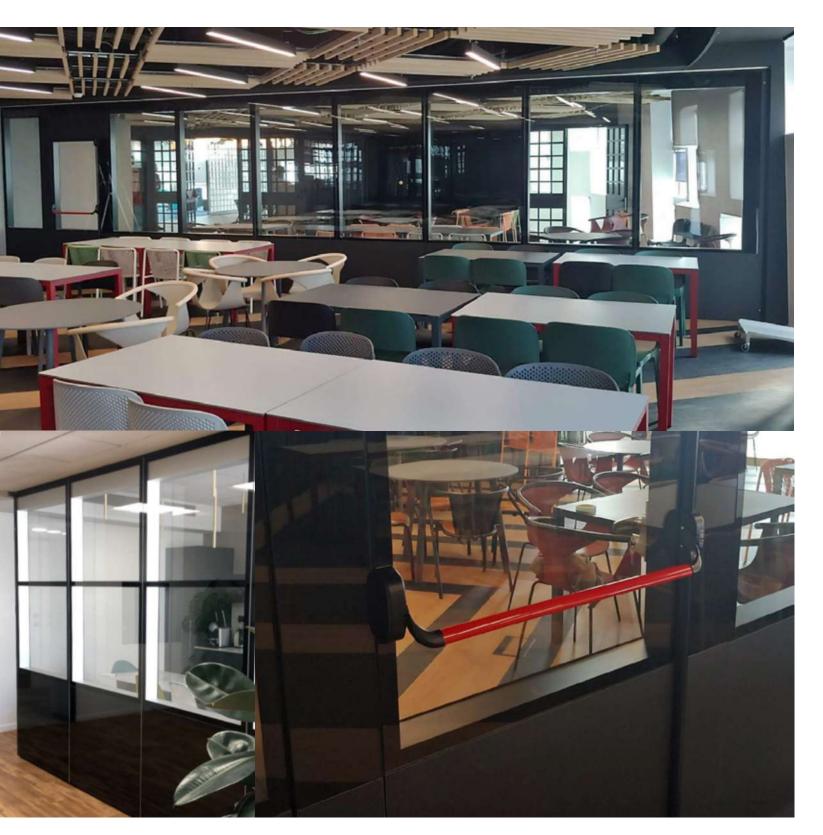
Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption.
Battery back-up is supplied as standard.

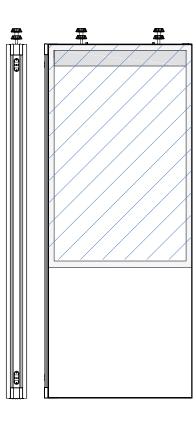
#### SEMI-AUTOMATIC

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

## **MULTI**







#### Technical data

Dimensions			
Thickness in mm	115	119	
Width in mm	840	840 - 1300	
Height in mm (máx.)	3000	3500	
Construction			
Possibility to alto	ernate solid and glass cove	rings	
Glazing	Tempered Glass	Tempered Glass / Laminated Glass	
Extras		Electrically controlled blinds, Magic Glass Frosted Glass	
Element connections		Complementary geometry aluminium profiles (Positive - Negative)	
Aluminum paint			
Anodized		•	
Black / White / Others		0	
Frame profile			
Black/White		•	
Others		0	
Equipment details			
Semi-automatic		•	
Full automatic		0	
Suspension	Monodirectiona	Monodirectional / Multidirectional	
Technical specifications	Rw (dB)	Density (kg/m²)	

44

49

Sound insulation according to ISO 10140-2:2010 standard\*

> Standard equipment Option

39

48



#### **FULL AUTOMATIC**

Our fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate with. This allows the user to program such things as speed of closure and configuration as well as protecting the system in the event of power interruption.
Battery back-up is supplied as standard.



#### **SEMI-AUTOMATIC**

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

### NOTE

This template can be used in the following options:

.Telescopic

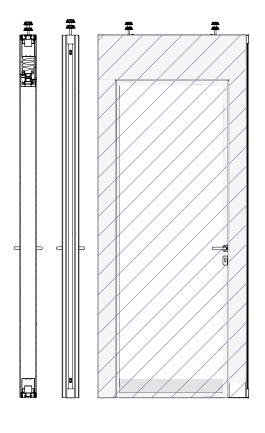
.Full-height passdoor .Single inset passdoor

<sup>\*</sup> Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

## SINGLE INSET PASSDOOR

## AQUA PANELS SINGLE INSET PASSDOOR





#### Technical data **Dimensions** Thickness in mm 115 119 Width in mm 850 / 900 Height in mm (máx.) 3000 / 4500 1200 / 1250 Width door panal in mm Construction Glazing Tempered Glass / Laminated Glass Electrically controlled blinds, Magic Glass, Extras Complementary geometry Element connections aluminium profiles (Positive - Negative) Frame profile Black/White Others **Equipment details** Semi-automatic • Full automatic Monodirectional / Multidirectional Suspension **Technical specifications** Rw (dB) Density (kg/m²) 44 39 Sound insulation according to ISO 10140-2:2010 standard\* 49 48

- \* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.
- Standard equipment
   Option



#### FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. All our handles are manufactured in Germany from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion or a pull handle for glazed doors and solid doors in less demanding environments.



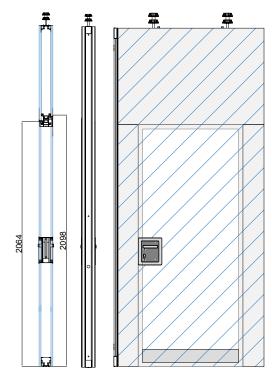
### HINGE SYSTEM

Our innovative concealed hinge allows full adjustment of the door in three dimensions. The Simonswerk hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.



### CONTROL DETAILS

Low voltage electrical contacts are housed in our proprietary concave/convex aluminum profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.





FULL AUTOMATIC

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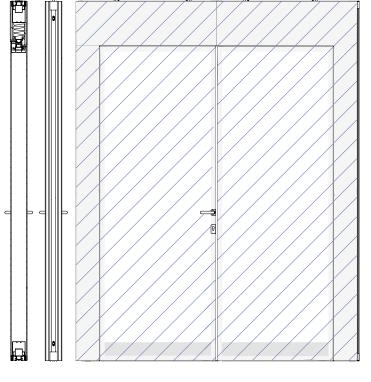
#### SEMI-AUTOMATIC

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

## **DOUBLE INSET PASSDOOR**

## AQUA PANELS DOUBLE INSET PASSDOOR





#### Dimensions Thickness in mm 115 119 Width in mm 840 - 1300 Height in mm (máx.) 3000 / 4500 Width door panel in mm 1200/1250 Construction Glazing Tempered Glass / Laminated Glass Electrically controlled blinds, Extras Magic Glass, Frosted Glass Complementary geometry aluminium Element connections profiles (Positive - Negative) Frame profile Black/White Others **Equipment details** Semi-automatic Full automatic Suspension Monodirectional / Multidirectional **Technical specifications** Rw (dB) Density (kg/m²) 44 39 Sound insulation according to ISO 10140-2:2010 standard\* 48 49

\* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.

Technical data

Standard equipmentOption



#### FRAME & HANDLES

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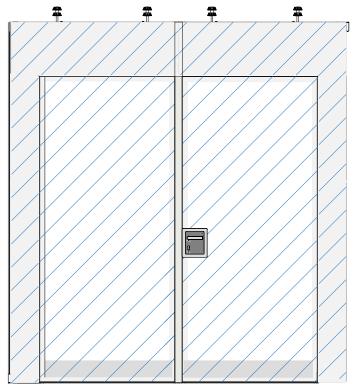
#### HINGE SYSTEM

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### CONTROL DETAILS

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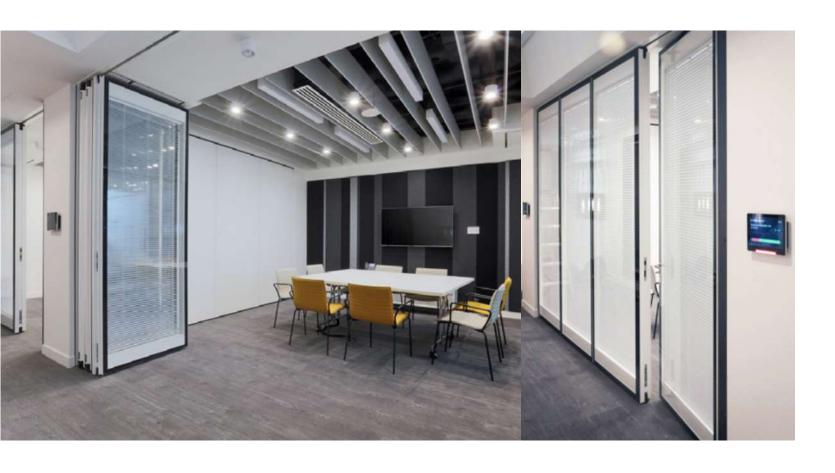


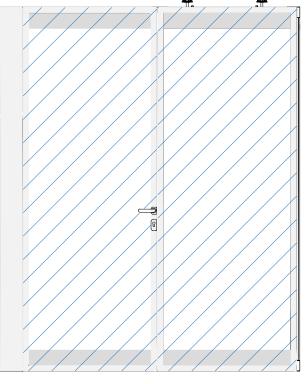
#### SEMI-AUTOMATIC

Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

## **FULL-HEIGHT PASSDOOR**

## **AQUA PANELS** FULL-HEIGHT PASSDOOR





#### Technical data

reciffical data		
Dimensions		
Thickness in mm	115	119
Width in mm	105	60
Height in mm (máx.)	300	0
Construction		
Glazing	Tempered Glass /	Laminated Glass
Extras	Electrically controlled blinds, Magic Gla Frosted Glass	
Frame profile		
Black/White	•	•
Others	0	
Equipment details		
Semi-automatic		•
Full automatic	0	
Suspension	Fixed	
Technical specifications	Rw (dB)	Density (kg/m
Sound insulation according	44	39
to ISO 10140-2:2010 standard*	49	48

- \* Laboratory rate. In the Fully Automatic System, there is a need to have a segmented panel with a minimum height of 460mm.
- Standard equipment Option

#### FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. All our handles are manufactured in Germany from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion or a pull handle for glazed doors and solid doors in less demanding environments.



#### **HINGE SYSTEM**

Our innovative concealed hinge allows full adjustment of the door in three dimensions. The Simonswerk hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.



### **CONTROL DETAILS**

Low voltage electrical contacts are housed in our proprietary concave/convex aluminum profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.



#### SEMI-AUTOMATIC

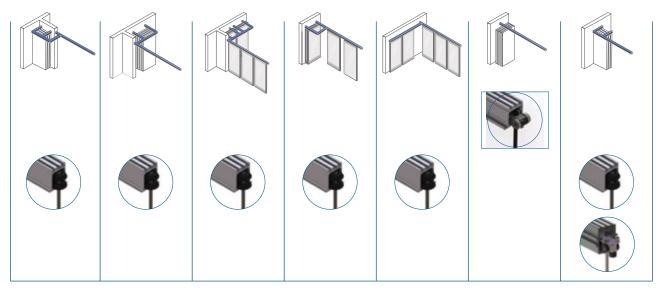
Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a 24v actuator powered by a protected power supply (certified fully for safety) battery back-up can be supplied for use in case of a cut in mains electricity.

# CEILING TRACK, SUSPENSION TYPES AND STACKING SYSTEMS

# FINISHES GROUP 1 / 2 / 3

### Unicolor





#### **Ceiling Track**



TRACK TYPE UD Uni–Directional Aluminum track profiles extruded from architectural grade 6063-T6 alloy. Load bearing capacity: 358Kg per panel.



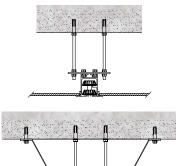
TRACK TYPE MDS
Standard
Multi-Directional
Aluminum track profiles
extruded from
architectural grade
6063-T6 alloy. Load bearing
capacity: 453Kg per panel.

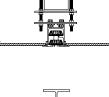


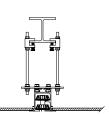
TRACK TYPE MDH
Heavy duty
Multi – Directional
Aluminum track profiles
extruded from
architectural grade
6063-T6 alloy. Load bearing
capacity: 850Kg per panel.



**SUSPENSION TYPES** 

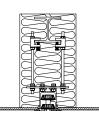




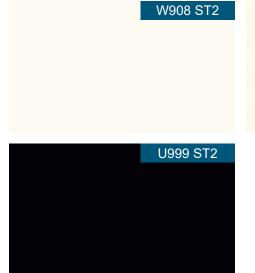












W908 ST2

U708 ST9

U999 ST2

FINISHES GROUP 4

## Unicolor / Wood Imitation



## GROUP 5/6/7/8

## Unicolor / Wood Imitation





**Note:** Material avaliable for immediate delivery from the supplier. Stock PCTS White MFC.

## PORTFOLIO









DENMARK

MALTA











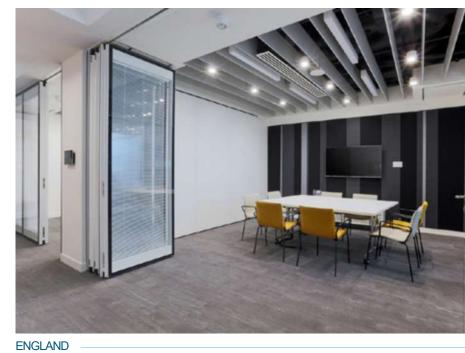


MOROCCO RUSSIA

## PORTFOLIO







FRANCE















**BELGIUM** 

USA

OMAN

## PORTFOLIO



PORTUGAL



CANADA -



INDIA

