vitris
Glass fittings with logic
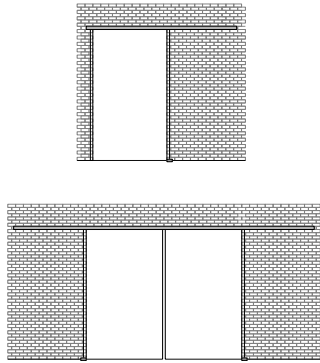
reddot design award
winner 2013

Article List
Portavant 80 automatic
Complete Sets

Portavant 80 automatic – automatically convincing!

AUTO MOVE | SAFETY FIRST SAFE USE | MODE SELECT | EASY INSTALL | PLUG & GO | SYSTEM FIT
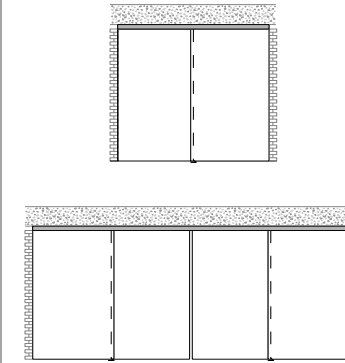
Overview of feasible installation situations Portavant 80 automatic

Wall mounting

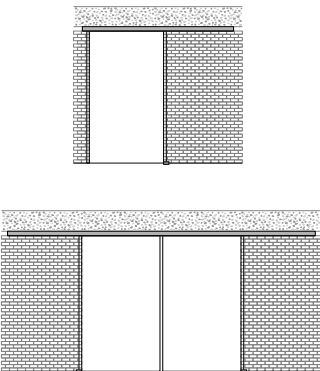Pages 1 and 2

Ceiling mounting with sidelight

Pages 4 and 5

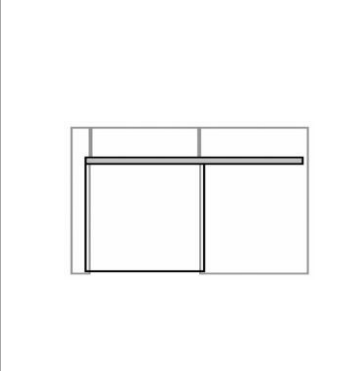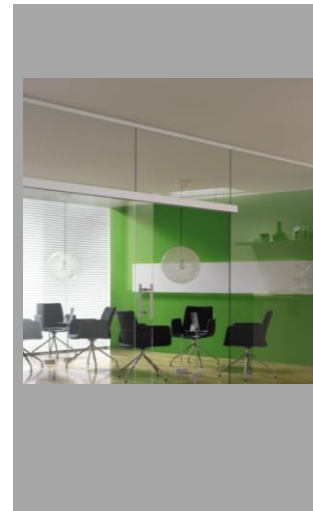Photographic print with kind permission of the Dorint Resort "An den Thermen", Freiburg (Germany)
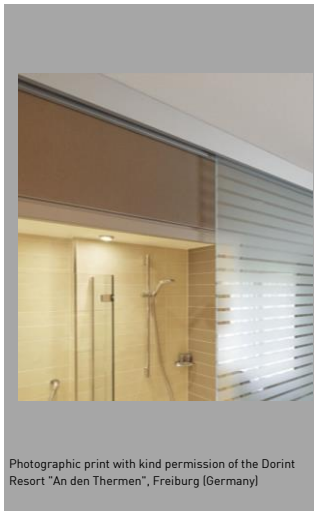
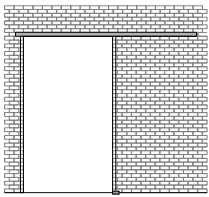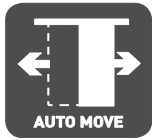Ceiling mounting

Pages 3 and 5

Mounting on glass façade

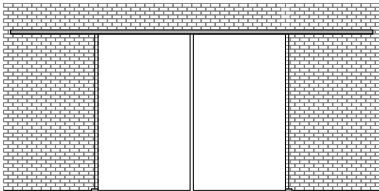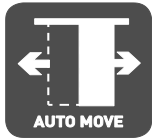Pages 6 and 7

Optional accessories specifically for Portavant 80 automatic can be found on page 8.

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Portavant 80 automatic – Determination of measurements: complete sets wall mounting, systems with 1 or 2 sashes   1

Calculation of glass width and profile length

$C = Ax2 + 287$

37   287

1000

LW

35   35

$A = LW+70$

$C1 = Ax4 + 578$
$C2 = Ax4 + 291$

287   287   287

X   Y

1000

4

LW

35   35

$A = LW/2+33$ A

Note: the drive unit can also be mounted on the left side.

Your project measurements (mm)

Clear width (building) = LW = _____

Calculation of glass width of sliding sash (mm)

systems with 1 sash   systems with 2 sashes
$A = LW + 70 =$ _____ $A = LW/2 + 33 =$ _____

Calculation of profile length (mm) (track profile & cover profile)

systems with 1 sash   systems with 2 sashes
$C = A \times 2 + 287 =$ _____ $C1 = A \times 4 + 578 =$ _____ (symmetric profile projection on both sides)
                                        $C2 = A \times 4 + 291 =$ _____ (asymmetric profile projection)

Length of track & cover profile
for your Portavant 80 automatic system

Calculation of glass height

72

20

70

$H1 = R-41$

R

>25

s<8

Your project measurements (mm)

Room height (upper edge of profile) = R =

_____

Calculation of glass height of sliding sash (mm)

$H1 = R - 41 =$ _____

Note:
The maximum height-width ratio of the sliding sash is 2.5:1.

Check for suitability of Portavant 80 automatic

	Sash weight of sliding sash (kg)	
	≤ 60	61 - 80
1 sash	✔	✔
2 sashes	✔	—

Number of sliding sashes

Your project measurements (mm)

Glass thickness of sliding sash = _____

Calculation of sash weight of sliding sash (kg)

Sash weight = A/1000 x H1/1000 x glass thickness (without film) x 2.5 = _____
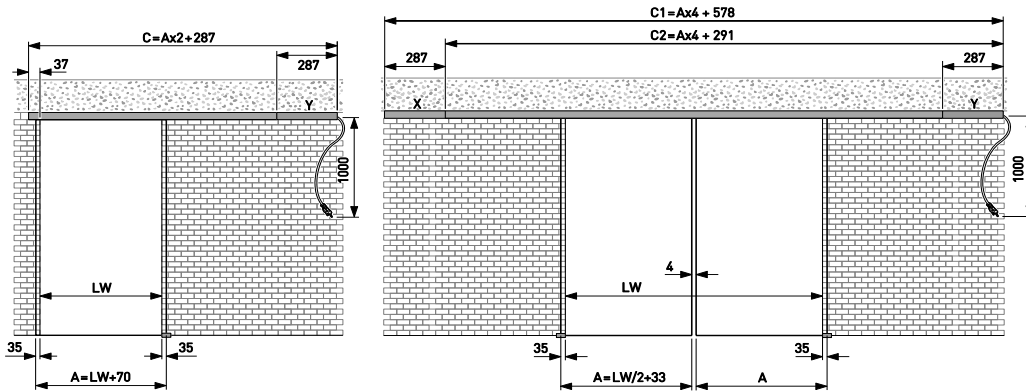
Portavant 80 automatic – Complete sets wall mounting, systems with 1 or 2 sashes 2

Number of sashes		Description	Profile length	Product number	Execution	Unit	Price in EUR
		Complete set Portavant 80 automatic,	2596 mm	617 312.2596.110	EV 1	1 unit	
		1 sash, wall mounting		.120	C 31	1 unit	
		includes:	cut to size (mm)	A617 312.length.110	EV 1	per m (cut to size)	
		1x track profile for wall mounting		.120	C 31	per m (cut to size)	
		1x cover profile					
		1x accessory kit for one sash	Note: suitable for sash weight up to 80 kg. The complete sets contain plug type E/F; see p. 8 for further country-specific plugs.				
		1x toothed belt	Recommendation: hair-bristle lining (see "Accessories Article List" p. 4).				
		Complete set Portavant 80 automatic,	5196 mm	617 312.5196.110	EV 1	1 unit	
		2 sashes, wall mounting		.120	C 31	1 unit	
		includes:	cut to size (mm)	B617 312.length.110	EV 1	per m (cut to size)	
		1x track profile for wall mounting		.120	C 31	per m (cut to size)	
		1x cover profile					
		1x accessory kit for one sash	Note: suitable for sash weight up to 60 kg. The complete sets contain plug type E/F; see p. 8 for further country-specific plugs.				
		1x supplementary accessory kit for second sash	Recommendation: hair-bristle lining (see "Accessories Article List" p. 4).				
		1x toothed belt					

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Portavant 80 automatic – Determination of measurements: complete sets ceiling mounting, systems with 1 or 2 sashes   3

Calculation of glass width and profile length

Note: the drive unit can also be mounted on the left side.

Your project measurements (mm)

Clear width (building) = LW = _____
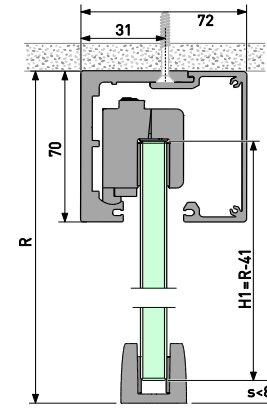
Calculation of glass width of sliding sash (mm)

systems with 1 sash	systems with 2 sashes
A = LW + 70 = _____	A = LW/2 + 33 = _____

Calculation of profile length (mm) (track profile & cover profile)

systems with 1 sash
C = A x 2 + 287 = _____

systems with 2 sashes
C1 = A x 4 + 578 = _____ (symmetric profile projection on both sides)
C2 = A x 4 + 291 = _____ (asymmetric profile projection)

**Length of track & cover profile
for your Portavant 80 automatic system**

Calculation of glass height

Your project measurements (mm)

Room height (upper edge of profile) = R =

_____

Calculation of glass height of sliding sash (mm)

H1 = R - 41 = _____

Note:
The maximum height-width ratio of the sliding sash is 2.5:1.

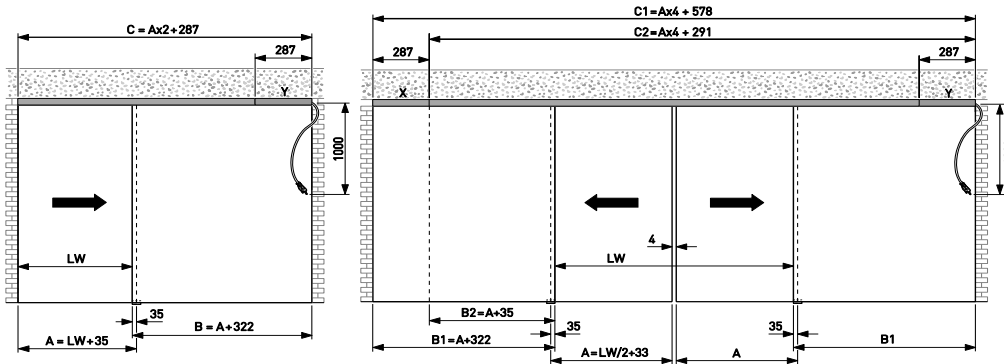## Check for suitability of Portavant 80 automatic

Your project measurements (mm)

Glass thickness of sliding sash =

_____

Calculation of sash weight of sliding sash (kg)

Sash weight = A/1000 x H1/1000 x glass thickness (without film) x 2.5 =

_____

Calculation of glass width and profile length

$C = Ax2 + 287$

287

1000

LW

35

$B = A + 322$

$A = LW + 35$

$C1 = Ax4 + 578$

$C2 = Ax4 + 291$

287 287

1000

LW

4

$B2 = A+35$

$B1 = A+322$

35

$A = LW/2 + 33$

35

$B1$

A

Note: the drive unit can also be mounted on the left side.

Your project measurements (mm)

Clear width (building) = LW = _____

Calculation of glass width of sliding sash (mm)

systems with 1 sash	systems with 2 sashes
$A = LW + 35 =$ _____	$A = LW/2 + 33 =$ _____

Calculation of glass width of sidelight (mm)

$B = A + 322 =$ _____	$B1 = A + 322 =$ _____	(symmetric profile projection on both sides)
	$B2 = A + 35 =$ _____	(asymmetric profile projection)

Calculation of profile length (mm) (track profile & cover profile)
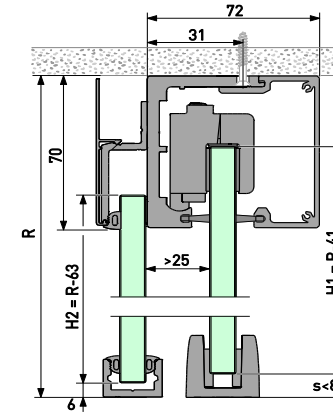
systems with 1 sash	systems with 2 sashes	
$C = A \times 2 + 287 =$ _____	$C1 = A \times 4 + 578 =$ _____	(symmetric profile projection on both sides)
	$C2 = A \times 4 + 291 =$ _____	(asymmetric profile projection)

**Length of track & cover profile
for your Portavant 80 automatic system**

Calculation of glass height

72

31

70

R

$H2 = R-63$

>25

$H1 = R-41$

$s<8$

6

Your project measurements (mm)

Room height (upper edge of profile) = R = _____

**Calculation of glass height of
sliding sash (mm)**

$H1 = R - 41 =$ _____

**Calculation of glass
height of sidelight (mm)**

$H2 = R - 63 =$ _____

Note:
The maximum height-width ratio of the sliding sash is 2.5:1.

Check for suitability of Portavant 80 automatic

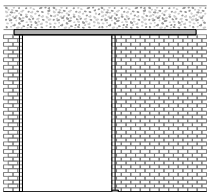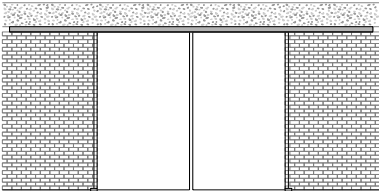|	Sash weight of sliding sash (kg)	
Number of sliding sashes	≤ 60	61 – 80
1 sash	✔	✔
2 sashes	✔	—

Your project measurements (mm)

Glass thickness of sliding sash = _____

**Calculation of sash weight of
sliding sash (kg)**

Sash weight = A/1000 x H1/1000 x
glass thickness (without film) x 2.5 = _____

Portavant 80 automatic – Complete sets ceiling mounting, systems with 1 or 2 sashes 5

Number of sashes		Description	Profile length	Product number	Execution	Unit	Price in EUR
	AUTO MOVE	**Complete set Portavant 80 automatic, 1 sash, ceiling mounting** includes: 1x track profile for ceiling mounting 1x cover profile 1x accessory kit for one sash 1x toothed belt	2596 mm	617 322.2596.110	EV 1	1 unit	
				.120	C 31	1 unit	
			cut to size (mm)	A617 322.length.110	EV 1	per m (cut to size)	
				.120	C 31	per m (cut to size)	

Note: suitable for sash weight up to 80 kg. The complete sets contain plug type E/F; see p. 8 for further country-specific plugs.
Recommendation: hair-bristle lining (see "Accessories Article List" p. 4).

Number of sashes		Description	Profile length	Product number	Execution	Unit	Price in EUR
	AUTO MOVE	**Complete set Portavant 80 automatic, 2 sashes, ceiling mounting** includes: 1x track profile for ceiling mounting 1x cover profile 1x accessory kit for one sash 1x supplementary accessory kit for second sash 1x toothed belt	5196 mm	617 322.5196.110	EV 1	1 unit	
				.120	C 31	1 unit	
			cut to size (mm)	B617 322.length.110	EV 1	per m (cut to size)	
				.120	C 31	per m (cut to size)	

Note: suitable for sash weight up to 60 kg. The complete sets contain plug type E/F; see p. 8 for further country-specific plugs.
Recommendation: hair-bristle lining (see "Accessories Article List" p. 4).

Portavant 80 automatic – Supplementary set for sidelight

	Figure	Description	Profile length	Product number	Execution	Unit	Price in EUR
Do you wish to mount one or several sidelights at the rear side of the track profile?		**Portavant 80 automatic supplementary set for sidelight** to combine with complete set for ceiling mounting includes: 1x sidelight holding profile 1x cover profile for sidelight holding profile self-adhesive PET insert for sidelight holding profile screws 2x end plate for ceiling mounting with sidelight (stainless steel)	2596 mm	617 550.2596.110	EV 1	1 unit	
				.120	C 31	1 unit	
			5196 mm	617 550.5196.110	EV 1	1 unit	
				.120	C 31	1 unit	
			cut to size (mm)	617 550.length.110	EV 1	per m (cut to size)	
				.120	C 31	per m (cut to size)	

Other profiles: floor-wall-, ceiling-, cover profile (see "Accessories Article List" p. 1).
Recommendation: hair-bristle lining; silicone gasket; end plates for floor-wall-, ceiling profile (see "Accessories Article List" pp. 2-4).
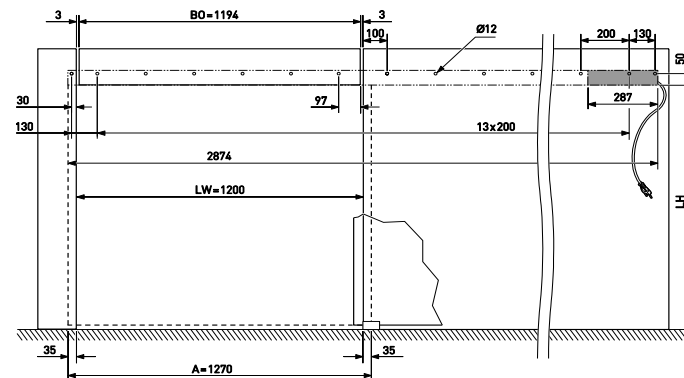
Portavant 80 automatic – Determination of measurements: complete sets mounting on glass façade, systems with 1 sash 6

Calculation of glass width and profile length

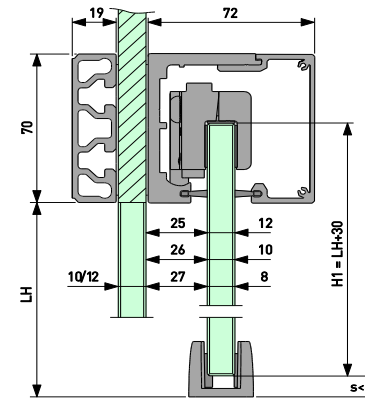### Clear Width 1000 mm
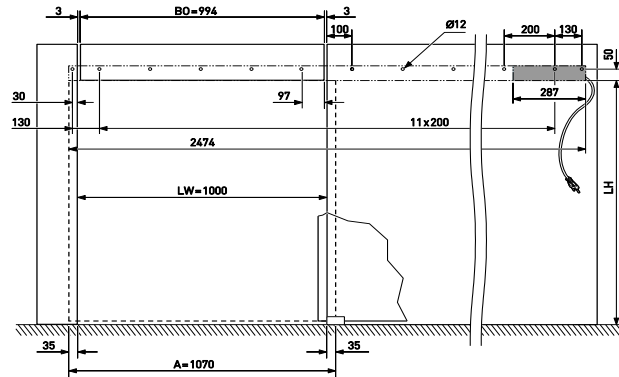
Clear Width 1200 mm

Note: the drive unit must always be mounted on the opening side of the door.

Calculation of glass height

Your project measurements (mm)

Clear height (height of door aperture) =
LH = _____

Calculation of glass height of sliding sash (mm)

H1 = LH + 30

_____

LW = Clear width
LH = Clear height
A = Glass width of sliding sash
BO = Transom light width

Check for suitability of Portavant 80 automatic

In one-sash systems, Portavant 80 automatic can be used with a sash weight of up to 80 kg.

Your project measurements (mm)

Glass thickness of sliding sash =

_____

Calculation of sash weight of sliding sash (kg)

Sash weight = A/1000 x H1/1000 x glass thickness (without film) x 2.5 =

_____

Note:
Please allow us to advise you for different installation situations with installation on glass façades.

The maximum height-width ratio of the sliding sash is 2.5:1.

Portavant 80 automatic – Complete sets mounting on glass façade, systems with 1 sash 7

Number of sashes		Description	Profile length	Product number	Execution	Unit	Price in EUR
		Complete set Portavant 80 automatic,	2474 mm	617 319.2474.110	EV 1	1 unit	
		1 sash, mounting on glass façade		.120	C 31	1 unit	
		clear width 1000 mm (profile length 2474 mm) or	2874 mm	617 319.2874.110	EV 1	1 unit	
		clear width 1200 mm (profile length 2874 mm)		.120	C 31	1 unit	
		includes:					
		1x track profile for mounting on glass façade					
		1x cover profile					
		1x profile for glass façade					
		1x accessory kit for one sash					
		1x complementary accessory kit "glass façade"					
		1x toothed belt					
		end plates for profile for glass façade (stainless steel)					

Note: suitable for sash weight up to 80 kg. The complete sets contain plug type E/F; see p. 8 for further country-specific plugs. Sash width 1070 mm with profile length 2474 mm and sash width 1270 mm with profile length 2874 mm.
Other profiles: floor-wall-, ceiling-profile (see "Accessories Article List" p. 1).
Recommendation: hair-bristle lining; silicone gasket; end plates for floor-wall-, ceiling profile (see "Accessories Article List" pp. 2-4).

Portavant 80 automatic – Optional specific accessories   8

	Figure	Description	Product number	Execution	Unit	Price in EUR
Do you need a country-specific plug for the United Kingdom or Ireland?		**Country-specific plug UK/Ireland** type G, 230 V / 50 Hz	GB, Ireland 617 372.0000.000		1 unit	
			Note: the complete sets already contain a plug of the type E/F which is widely used in the EU.			
Do you wish to open or close the automatic door with a hand-held radio transmitter?		**Hand-held radio transmitter** can be used for up to 4 doors; necessary system component: radio receiver art. no. 617 380.0000.000	617 381.0000.000		1 unit	
			Note: can be used in combination with radio receiver art. no. 617 380.0000.000.			
Do you wish to open or close the automatic door via a wall-mounted radio push button?		**Radio transmission via wall-mounted push button** battery-operated; to be used in combination with a flush-mounted push button from a third-party supplier; necessary system component: radio receiver art. no. 617 380.0000.000	617 382.0000.000		1 unit	
			Note: can be used in combination with radio receiver art. no. 617 380.0000.000.			
Do you use a hand-held radio transmitter or radio transmission via a wall-mounted push button and do you need a suitable radio receiver?		**Radio receiver** for inserting into the control unit	617 380.0000.000		1 unit	
Do you wish to use a motion sensor?		**Motion sensor** with detection of direction of movement and with partial suppression of cross movement; incl. cover cap, black, 3 m connection cable including cable clamps	617 385.0000.000	black	1 unit	
			Note: cable-bound mounting. It is also possible to connect two motion sensors in parallel (simultaneously).			
Do you wish to install a motion sensor with a silver or white cover cap instead of a black one?		**Cover cap for motion sensor** suitable for art. no. 617 385.0000.000	617 386.0000.315 617 386.0000.310	silver white	1 unit 1 unit	
Do you wish to have in-wall mounting and mount the display into the wall?		**Supplementary accessory kit in-wall mounting** mounting frame (white) for display 500 mm extension cable for display	617 365.0000.000		1 unit	
			Caution: accessibility to the whole door system must be maintained for servicing or repair. Note: please contact us about a longer extension cable, if required.			

Technical information Portavant 80 automatic

Door weight	Up to 80 kg for one-sash systems Up to 60 kg per sash for two-sash systems
Glass width of sliding sash	The maximum height-width ratio of the sliding sash is 2.5:1.
Glass thickness of sliding sash Tempered glass Laminated safety glass (made of tempered glass)	 8 / 10 / 12 mm 8.76 / 10.76 / 12.76 mm
Glass thickness of sidelights/glass façades Tempered glass Laminated safety glass	 10 / 12 mm 10.76 / 12.76 mm
Available profile lengths	2596 mm, 5196 mm as well as fixed lengths (cut to measure)[1]
Execution	One or two sashes[2]; for right and left hand use; wall mounting, ceiling mounting, ceiling mounting with sidelight, mounting on glass façade; also in-wall mounting; colours: natural aluminium (EV1) or stainless steel effect (C31, main visible surfaces brushed)
Supreme technical quality	Extremely long service life (the TÜV type testing confirmed 500,000 sliding cycles); minimum wear and tear thanks to a motor without sliding contacts and wire-reinforced toothed belt; precision steel ball bearings with high-performance plastic coating
Application parameters	0 – 40°C, IP 20 Planning guide: approx. 150-200 sliding cycles/day (max. 200 sliding cycles/hour)

[1] Divergent profile lengths for mounting on glass façade (see p. 7)
[2] Please contact us, if you require two-sash systems with mounting on glass façade.

The company

Willach belongs to the leading producers of glass fittings in Europe. Since its establishment in 1889, the manufacture of products to the highest quality and precision standards has been the supreme dictum of the company. Numerous technical innovations and intelligent solutions with regard to detail meant that Willach was able to cement its pioneering reputation at an early stage. With the Vitris product line, Willach today offers a range of high quality fittings for glass sliding doors. Furthermore the product range comprises a comprehensive modular system of showcase fittings, sliding door locks and slot bar systems for discerning interior, shop and trade show furnishings. Vitris products are certified in accordance with ISO standards and are manufactured at our Ruppichteroth (Germany) production site to meet stringent manufacturing standards. This forms the basis for the excellent quality and consistently high level of availability of the complete Vitris range.
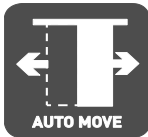
Contact us and let us advise you!

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www.willach.com

Willach

WillachGroup

Utilise all the benefits

AUTO MOVE The automatic function for your comfort: Opens and closes the door automatically, silently and reliably – so you can keep your hands free for other things.

SAFE USE The intelligent control for your safety: Reacts immediately if the door touches an obstacle during automatic closing or opening. The low kinetic energy mode means it easily meets all standard safety requirements.

MODE SELECT The choice of the operating mode in line with your requirements: Allows you to decide whether a motion sensor, push button, remote control or the Push & Go function should be the "open sesame" for your automatic door and which door function is triggered by the pulse.

EASY INSTALL The solution for easy installation without glass cutout: Turns installing glass sliding doors into child's play through well-proven clamping and roller assembly technology.

PLUG & GO The solution for electrical connection and configuration without specialist knowledge: Facilitates the electrical connection in just three plug-in steps while the display guides you through the configuration.

SYSTEM FIT The modular solution for your installation project: Offers solutions for almost any installation project with modular system components which can be combined in a variety of ways.

Stamp

Article list 06/2014