

# Next Generation Style and Performance

The new MasterPatio range of sliding doors



**Together for better**

[www.reynaers.co.uk](http://www.reynaers.co.uk)

## Perfect for every environment

MasterPatio is a high insulation and high performance lift-slide system with minimalistic look and clean design, down to the details.

The system combines top thermal performance with slim sightlines and a maximum element height of 3.7 m. The patented glass supports ensure a perfect transfer of the glass weight to the wheels, resulting in comfortable operation.



Due to the compatibility with the MasterLine 8 system, it flawlessly couples with windows and doors while maintaining the narrow and consistent sight lines.

**The system is suitable for low energy and passive houses, but also for high-rise buildings thanks to the excellent air and water tightness.**



## Modern design, traditional values

MasterPatio can be manufactured quickly and efficiently thanks to minimal milling operations, simple corner joints and pre-drilled drainage in the bottom profile.

**The easy and precise adjustability of the lock (3 mm) makes installation on site considerably easier.**

MasterPatio has been designed with the environment in mind. Reynaers Aluminium uses low-carbon primary and recycled aluminium for all of its systems, but MasterPatio also uses recycled insulation bars which bring a further reduction of CO<sub>2</sub>-emission by 1130 ton/year.

Waste is kept to a minimum by optimizing the profile lengths offered, and less profiles needed for the complete system's range.



# The perfect solution for every environment

MasterPatio is the next generation high insulation, high performance lift-slide system from Reynaers.

## Joining the masters

### Powered by Reynaers' Master systems

- In-line with MasterLine visible widths
- Interfaces & connections with MasterLine
- Shares MasterLine elements where effective



## Offering design freedom

### Symmetrical vent design

- Inside / Outside glazed
- Minimal sliding resistance

### Improved performances

- High-rise ready
- Pre-drilled drainage in profile
- 3.6m height tested
- Up to 400kg moving glass... and increasing
- Fixed panes up to 1200kg

### Higher tolerances

- Chicane, locking points, lifting

## Reduced sightlines

### Maximal transparency

- Glass to profile ratio up to 90%

### Slim Chicane

- 50mm chicane

### Fully concealed frame

- 87mm same visible widths as MasterLine
- Hidden drainage

### T-profiles

- 50mm or 87mm



Up to 3.6m height



**Floor to ceiling facade**

**Glass corners**

- Inside / outside

**T-profiles**

- 50mm or 87mm

**MasterLine**

- Windows and doors
- Ventilation vent

**Down to the last detail**

**Clean design**

**No clutter**

- Reversed & hidden lock
- Very low threshold
- Clean finishing caps
- Finishing pieces



## With durable design

### Sustainable

Genuine environmental benefits built-in

### Serviceable life span

Low eco-impact



1st Reynaers sliding system certification by end-of-year!



Waste optimal lengths  
→ Reduce profile waste per sliding element



Usage\* of PA-6.6 recycled  
→ Safe 8kg CO2/kg PA



## The Basics

Dimensions		
Width	Frame	180 mm
	Sash	77 mm
	chicane	87 mm / 50 mm
Rebate Height		27 mm
Visual Width	Frame (Top/Bottom)	60 mm
	Frame (Left/Right)	33 mm
Maximum Element Height		3600 mm
Maximum Width	Sash	3000 mm
	Glass	62 mm
Maximum Weight	Sash	400* Kg
	Fixed Glass Pane (mono)	1200* Kg
Thermic Insulator: Polyamide	Sash	41 mm
	Frame (Top/Bottom)	2x 40 mm
	Frame (Left/Right)	28 mm

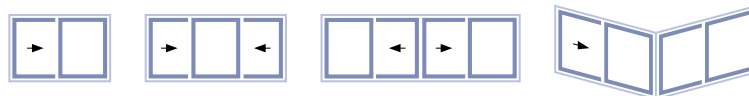
## Product Information

### Monorail OG (Outside Glazed)

The monorail combines a sliding sash with fixed glazing, set directly into the frame. This reduces the aluminium sightline and provides a minimalist look. The sliding sash is positioned on the inside of the element.



Technical Specifications		
Height	Frame	60 mm
Visible Width/Height	Sash	87 mm
	chicane	87 mm / 50 mm
	bipart (4-Pane)	181 mm
Built-In Depth	Frame	180 mm
	sash	77 mm
Maximum Element Height		3,7 m
Maximum Weight	Manual Sash	400 Kg
	Motorised Sash Vleugel	N/A
	Fixed Glass Panel	1200 Kg
Rebate Height		27 mm
Glass Thickness		Up to 62 mm
Glazing Method		Dry Glazing With EPDM or Neutral Silicone
Thermal Break (Recycled Polyamide Bars)	Sash	41 mm
	Frame (Bottom/Top)	2x 40 mm
	Frame (Side)	28 mm



Performances		
Energy	Thermal Insulation	Uf Value Of 1.3 To 2.5 W/M²K*
Comfort	Air Permeability	4 (600 Pa)
	Water Permeability	E900
	Wind Load, Maximum Test Pressure	5 (2000 Pa)
	Wind Load, Relative Deformation	C (< 1/300)
Acoustics	(Glass -> Element)	Rw(C;Ctr) = 36 (-1.-5) dB -> 34 (-2.-4) dB
		Rw(C;Ctr) = 41 (-2.-4) dB -> 37 (-1.-4) dB
		Rw(C;Ctr) = 45 (-2.-6) dB -> 41 (-2.-5) dB
		Rw(C;Ctr) = 52 (-1.-5) dB -> 44 (-1.-3) dB

\*depending on the frame/sash combination, Uw value down to 1.2 W/m²k with Ug = 1.0 W/m²k and psi 0.06 (element size 4000 x 2750 m)

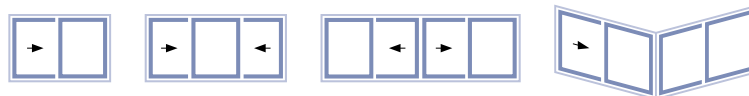
## Product Information

### Monorail IG (Inside Glazed)

The monorail combines a sliding sash with fixed glazing, set directly into the frame. This reduces the aluminium sightline and provides a minimalist look. The sliding sash is positioned on the outside of the element.



Technical Specifications		
Height	Frame	60 mm
Visible Width/Height	Sash	87 mm
	Chicane	87 mm / 50 mm
	Bipart (4-Pane)	181 mm
Built-In Depth	Frame	180 mm
	Sash	77 mm
Maximum Element Height		3,7 m
Maximum Weight	Manual Sash	400 kg
	Motorised Sash Vleugel	N/A
	Fixed Glass Panel	1200 kg
Rebate Height		27 mm
Glass Thickness		up to 62 mm
Glazing Method		Dry Glazing With EPDM or Neutral Silicone
Thermal Break (Recycled Polyamide Bars)	Sash	41 mm
	Frame (Bottom/Top)	2x 40 mm
	Frame (Side)	28 mm



Performances		
Energy	Thermal Insulation	Uf Value of 1.4 to 2.9 W/M²K*
Comfort	Air Permeability	4 (600 Pa)
	Water Permeability	E750
	Wind Load, Maximum Test Pressure	5 (2000 Pa)
	Wind Load, Relative Deformation	C (< 1/300)
Acoustics	(Glass -> Element)	Rw(C;Ctr) = 36 (-1.-5) dB -> 34 (-2.-4) dB
		Rw(C;Ctr) = 41 (-2.-4) dB -> 37 (-1.-4) dB
		Rw(C;Ctr) = 45 (-2.-6) dB -> 41 (-2.-5) dB
		Rw(C;Ctr) = 52 (-1.-5) dB -> 44 (-1.-3) dB

\*depending on the frame/sash combination, Uw value down to 1.2 W/m²k with Ug = 1.0 W/m²k and psi 0.06 (element size 4000 x 2750 m)

## Product Information

### 2-Rail

The 2-rail combines 2 identical sashes, which results in an aesthetical symmetrical look. Both sashes can be used as sliding elements, which results in ultimate user flexibility.



Technical Specifications		
Height	Frame	60 mm
Visible Width/Height	Sash	87 mm
	Chicane	87 mm / 50 mm
	Bipart (4-Pane)	181 mm
Built-In Depth	Frame	180 mm
	Sash	77 mm
Maximum Element Height		3,7 m
Maximum Weight	Manual Sash	400 kg
	Motorised Sash Vleugel	N/A
	Fixed Glass Panel	1200 kg
Rebate Height		27 mm
Glass Thickness		up to 62 mm
Glazing Method		Dry Glazing With EPDM or Neutral Silicone
Thermal Break (Recycled Polyamide Bars)	Sash	41 mm
	Frame (Bottom/Top)	2x 40 mm
	Frame (Side)	28 mm



Performances		
Energy	Thermal Insulation	Uf Value of 1.5 to 2.9 W/M²K*
Comfort	Air Permeability	4 (600 Pa)
	Water Permeability	E1050
	Wind Load, Maximum Test Pressure	3 (1200 Pa)
	Wind Load, Relative Deformation	C (< 1/300)

\*depending on the frame/sash combination, Uw value down to 1.25 W/m²k with Ug = 1.0 W/m²k and psi 0.06 (element size 4000 x 2750 m)





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