



MASTERPATIO

R
REYNAERS
 aluminium



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.

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 CO₂-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.

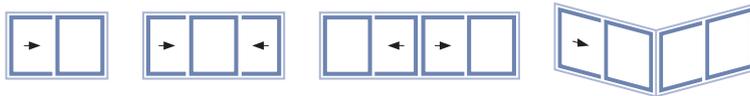


MONORAIL OG (OUTSIDE GLAZED)

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
	sash	87 mm
visible width/height	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 isolation	Uf value of 1.3 to 2.5 W/m ² K*
	air permeability	4 (600 Pa)
comfort	water permeability	E900
	wind load, maximum test pressure	5 (2000 Pa)
	wind load, relative deformation	C (< 1/300)
		Rw(C;Ctr) = 36 (-1.-5) dB -> 34 (-2.-4) dB
acoustics	(glass -> element)	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

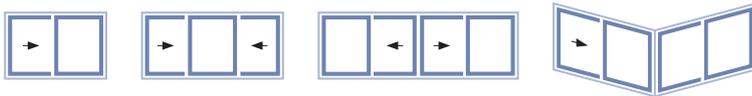
*depending on the frame/sash combination, Uw value down to 1.2 W/m²k with Ug = 1.0 W/m²k and psi 0.06 (element size 4000 x 2750 m)

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
	sash	87 mm
visible width/height	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 isolation	Uf value of 1.4 to 2.9 W/m ² K*
	air permeability	4 (600 Pa)
comfort	water permeability	E750
	wind load, maximum test pressure	5 (2000 Pa)
	wind load, relative deformation	C (< 1/300)
		Rw(C;Ctr) = 36 (-1.5) dB -> 34 (-2.4) dB
acoustics	(glass -> element)	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)

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
	sash	87 mm
visible width/height	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 isolation	Uf value of 1.5 to 2.9 W/m ² K*
	air permeability	4 (600 Pa)
comfort	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)