

MasterPatio

MasterPatio - Lift & Sliding System



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CHARACTERISTICS

- Standard high-insulating system with high-rise ready performances
- Increased sustainability through material choice and production efficiency
- Combine with MasterLine 8 for ultimate design freedom.

MasterPatio

MasterPatio has been developed to combine comfort on every level, clean aesthetics down to the details, sustainable efforts, and unlimited design freedom. The system is suitable for low energy or passive buildings, and its robustness makes it the perfect choice for high-rise buildings. Our aluminium is already recycled or produced by low carbon energy sources, but for MasterPatio we increased our sustainable efforts even more by introducing recycled materials and more efficient production methods. MasterPatio is designed to be more than a sliding door, and can be combined effortlessly with MasterLine 8, so it is able to meet any project requirement.

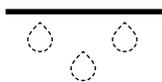


HANDLES

When choosing windows and doors, a lot of attention goes into the design and the degree of insulation of the profiles. But it is equally important to choose the right handles and hinges, as these elements add an extra dimension to the windows and doors and enhance the personal character of your building. MasterPatio has several designs and functionalities to choose from in our broad range of handles, so you will always find a perfect match.

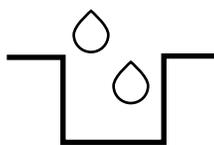
SUSTAINABILITY

The strong aluminium and our high quality finishes are features all of our systems have. It ensures our products maintain their sharp appearance for decades with minimal maintenance. For MasterPatio we went even further by introducing 100% recycled insulation bars and reduced waste during production. We are proud to say MasterPatio is a Cradle to Cradle Certified Bronze product.



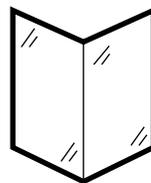
CONCEALED DRAINAGE

Draining the profiles is crucial, but in most cases it is done through visible holes in the exterior profile, which are then “hidden” with plastic cover caps. The concealed drainage option keeps the exterior surface of your window clean, for improved aesthetics and easier cleaning.



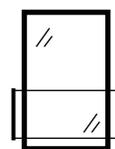
GUTTER

During heavy rain your window might have to process large quantities of water. An integrated gutter can help to guide this flow away from the window, even in combination with tiled terrace floors. In most cases we offer aesthetically covered gutter solutions.



GLASS CORNER

The desire for larger glass surfaces is ever rising, and with it, the will to connect multiple parts of the façade. When combining 2 straight elements, you have an accumulation of profiles where they meet each other, obstructing the view. A glass corner takes away all corner profiles, and directly connects both glass panes for a striking look.



BALUSTRADE

Highrise buildings without balconies, or upper levels of residential houses can impose safety issues with regards to opening elements. When there is no balcony available, a glass balustrade can mitigate the risk of falling, without obstructing the view. We offer both add-on and integrated balustrades, depending on the need.

TECHNICAL SPECIFICATIONS

MasterPatio				
Sideviews				
PROPERTIES		Monorail outside Glazed	2-rail	Monorail inside glazed
Height frame		60 mm (2 1/3")		
Maximum element height		3,7 m (147")		
Built-in depth	Frame	180 mm (7 1/10")		
	Sash	77 mm (3")		
Rebate height		27 mm (1 1/4")		
Glass thickness		Up to 62 mm (2 3/7")		
Maximum weight	Manual sash	400 kg (881,8 lbs)		
	Motorised sash vleugel	N/A		
	Fixed glass panel	1200 kg (2645,5 lbs)		
Thermal break (recycled polyamide bars)	Sash	41 mm (1 3/5")		
	Frame (bottom/top)	2 x 40 mm (2 x 1 4/7")		
	Frame (side)	28 mm (1 1/10")		
Visible width/ height	Sash	87 mm (3 3/7")		
	Chicane	87 mm (3 3/7") / 50 mm (1 1/1")		
	Bipart (4 pane)	181 mm (7 1/9")		
Glazing method		Dry glazing with EPDM or neutral silicone		

PERFORMANCES

VARIANTS	Monorail outside Glazed	2-rail	Monorail inside glazed
 Burglarproof ¹	RC2	RC2	RC2
 Water tightness ²	E900	E1050 (1050Pa)	E750 (750Pa)
 Wind load resistance ³	C5 (2000Pa)	C3 (1200Pa)	C5 (2000Pa)
 Thermal insulation ⁴	Value of 1.3 to 2.5 Uf (W/m ² K)	Value of 1.5 to 2.9 Uf (W/m ² K)	value of 1.4 to 2.9 Uf (W/m ² K)

1) The burglar resistance is tested by static and dynamic loads, as well as by simulated attempts to break in using specified tools. This variant requires specific burglar resistance accessories.

2) The water tightness test involves applying a uniform water spray at increasing air pressure until water penetrates the window.

3) The wind load resistance is a measure of the profile's structural strength and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A,B,C). The higher the number, the better the performance.

4) The Uf-value measures the heat flow. The lower the Uf-value, the better the thermal insulation of the frame.