

# Masterline 8

Masterline 8 Windows and Doors



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## ADVANTAGES

### CONCEPTION

Masterline 8 doors and windows combine countless design possibilities. These systems can fit perfectly with any architectural style.

### COMFORT

MasterLine 8 ventilation vents are available in 2 different levels of insulation for high insulated, low energy, and even passive houses. These ventilation vents exist in 2 widths for optimal fresh air access: 7 5/16" and 9 13/16". The vents are optimized for easy installation and aesthetics as the end pieces are adjustable for optimal fit and paintable to match the color of the profiles.

### SAFETY

These systems offer a wide range of compatible handles enhance safety, locks and hinges to ensure your safety and comfort. To further improve security, MasterLine 8 is compatible with RB Glass: the complementary balustrade glass for large windows in high-rise buildings.

Even without balconies, RB Glass ensures you can safely open your windows and enjoy an unobstructed view.



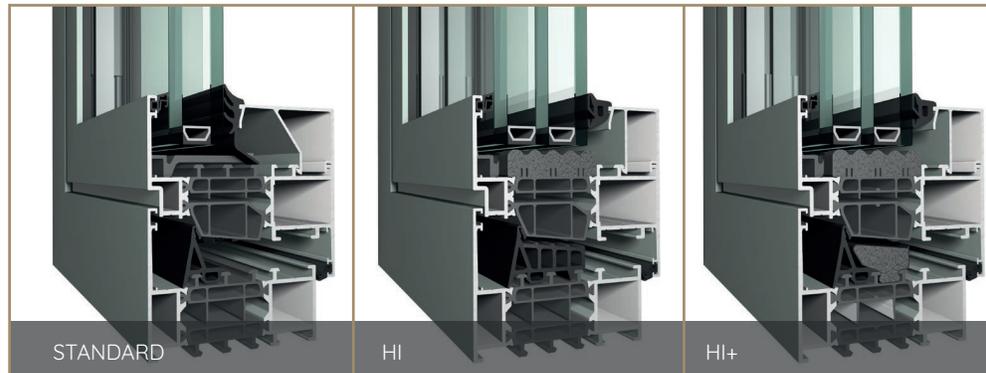


## ENERGY EFFICIENCY

MasterLine 8 windows and doors feature 3 different levels of insulation, offering solutions for high insulated, low energy, and even passive houses. These different levels of insulation are achieved by the integration of new and clever materials.

For the High Insulating Plus (HI+) variant, innovative insulation bars are incorporated, which use a lowemission foil and thus improve the insulation value by reflecting and retaining heat.

## WINDOWS



## DOORS



## TECHNICAL SPECIFICATIONS

ML8		DOORS		WINDOWS		
Variants		FUNCTIONAL	HIDDEN VENT	TERRACE DOORS	FLUSH DOORS	XL PIVOT
Min. visible width inware opening window or door	Frame	52,4 mm (2 1/16")	79,4 mm (3 1/8")	60,3 mm (2 3/8")	68,3 mm (2 11/16")	68,3 mm (2 11/16")
	Vent	36,5 mm (1 7/16")	-	66,7 mm (2 5/8")	77,8 mm (3 1/16")	128,6 mm (5 1/16")
Min. visible width outward opening window or door	Frame	330,2 mm (13 1/16")	-	330,2 mm (13 1/16")	42,9 mm (1 11/16")	(2 11/16")
	Vent	117,5 mm (4 5/8")	-	112,7 mm (4 7/16")	104,8 mm (4 1/8")	68,3 mm (6 1/8")
Min. visible width T-profile		79,4 mm (3 1/8")	106,4 mm (4 3/16")	79,4 mm (3 1/8")	79,4 mm (3 1/8")	(3 1/8")
Overall system depth window or door	Frame	77,8 mm (3 1/16")				
	Vent	87,3 mm (3 7/16")	77,8 mm (3 1/16")	87,3 mm (3 7/16")	77,8 mm (3 1/16")	79,4 mm (3 1/6")
Rebate height		27 mm (1 1/16")				
Glass thickness	Frame	73 mm (Up to 2 7/8")	73 mm (Up to 2 7/8")	73 mm (Up to 2 7/8")	73 mm (Up to 2 7/8")	62 mm (2 7/16")
	Vent	71,4 mm (Up to 2 13/16")	57,2 mm (Up to 2 1/4")	71,4 mm (Up to 2 13/16")	62 mm (Up to 2 7/16")	62 mm (Up to 2 7/16")
Glazing method		Dry glazing with EPDM or neutral silicones				
Thermal insulation		Omega-shaped glass fiber reinforced polyamide strips HI+ version: glass fiber reinforced noryl strips 1 9/16" or 1 1/2" depending on profile			31,75 mm (1 1/4")	-

## PERFORMANCES

Variants	DOORS			WINDOWS		
	Standard	HI	HI+	Standard	HI	HI+
<b>COMFORT</b>						
 Air tightness <sup>1</sup>	0,01 cfm/ft <sup>2</sup>	0,01 cfm/ft <sup>2</sup>		0,01 cfm/ft <sup>2</sup>		
 Water tightness <sup>2</sup>	15 psf	20 psf		20 psf		
 Wind load resistance	70	70		70		
 Acoustical performances <sup>3</sup>	STC 43 and OITC 35	STC 43 and OITC 35		STC 50 and OITC 44		
<b>SAFETY</b>						
 Burglar resistance <sup>4</sup>	RC2/WK2 RC3/WK3	RC2/WK2 RC3/WK3		RC2/WK2 RC3/WK3		

- 1) The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
- 2) The water tightness test involves applying a uniform water spray at increasing air pressure until water penetrates the window.
- 3) The sound reduction index measures the capacity of the sound reduction performance of the frame and glass.
- 4) The burglar resistance is tested by static and dynamic loads, as well as by simulated attempts to break in using specified tools.