

MasterLine 8 Spec Sheet



Together for better

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Value Proposition

MasterLine 8 is a unique windows and doors system that combines countless design possibilities with its first class performance and production speed.

This system gives you a wide design range, to perfectly fit any architectural style, while at the same time offering the ultimate performance regarding thermal insulation and air water tightness, with a limited system depth of 77 mm.

This new generation of innovative window and door solutions mirrors the current architectural trend towards maximising daylight while offering ultimate insulation levels. MasterLine 8 panel doors even come with passive house certification.

Insulation – Windows

MasterLine 8 windows feature 3 different levels of insulation, offering solutions for high insulated, low energy and even passive house. These varying levels of insulation are achieved by the integration of thermally efficient materials.

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



STANDARD



HI



HI+

Insulation – Doors

MasterLine 8 doors offer 2 levels of insulation for balcony and flush doors. For projects where extreme insulation is required, our MasterLine 8 range offers a panel door with excellent insulation values.



HI



HI+

Product Information – Window

Technical Characteristics

Opening type	Fixed, turn tilt, side hung and double casement inward opening windows	
Opening styles	Functional, renaissance, deco and hidden vent	
Min. visible width (mm)	Frame + sash	97mm
	Sash	37mm
	T-profile	80mm
Overall system depth (mm)	Frame only	77 or 87mm
	Frame + sash	87 or 97mm
Thermal break (mm)	PA6.6	37.8 or 40mm
Rebate depth (mm)		27mm
Glass thickness (mm)	Min.	4mm * based on fixed light
	Max.	72mm * based on opening vent
Glazing method	Dry glazing with EPDM or neutral silicones	
Window height (mm)	Min.	600mm
	Max.	2800mm
Window width (mm)	Min.	450mm
	Max.	1700mm
Max. weight (kg)	Sash (incl. glass)	150kg * depending on hardware
Compatibility with other systems		Masterline 8, CW50, CW60, CP130, CP155

Performances

	Performance	Element size
Air	600Pa	1354 x 2254mm
Wind	2000Pa	1354 x 2254mm
Water	600Pa	1354 x 2254mm
Cyclic	20000 cycles	1354 x 2454mm
Rw(C;Ctr)	46 (-1; -3)	1230 x 1480mm
Uw (W/m ² K)	1.0 W/m ² K *based on HI+ tilt turn, 32mm triple glazed 900 x 1200mm	

Product Information – Doors

Technical Characteristics

Opening type	Inward or outward, single or double door	
Opening styles	Functional	
Min. visible width (mm)	Frame + sash	153mm
	Sash	78.5
	T-profile	80mm
Overall system depth (mm)	Frame only	77mm
	Frame + sash	77mm
Thermal break (mm)	PA6.6	32mm
Rebate depth (mm)		27mm
Glass thickness (mm)	Min.	4mm
	Max.	62mm
Glazing method	Dry glazing with EPDM or neutral silicones	
Door height (mm)	Min.	500mm
	Max.	3000mm
Door width (mm)	Min.	500mm
	Max.	1400mm
Max. weight (kg)	Sash (incl. glass)	250kg * depending on hinge selection
Compatibility with other systems		Masterline 8, CW50, CW60

Performances

	Performance	Element size
Air	600Pa	1297 x 2258mm
Wind	1200Pa	1297 x 2258mm
Water	300Pa	1297 x 2258mm
Cyclic	1000000 cycles	1408 x 3008mm
Rw(C;Ctr)	43 (-2; -4)	2062 x 2452mm
Uw (W/m ² K)	1.4 W/m ² K *based on a standard, single open in, 28mm double glazed 1050 x 2200mm	
Security	PAS24 * based on a double door, open out 1780 x 2412mm	