

## Reynaers MasterLine 10 Window

### Benefits

Excellent thermal performance

Suitable for Passive House and LEED-certified green buildings

Wide range of thermal insulation variations

Deco and Renaissance design variant inspired by the looks of wooden windows

### Technical Information

#### MasterLine 10 Window – Performance EU Units

<b>Energy</b>	
Thermal Insulation – $U_f$	0.9 W/m <sup>2</sup> K
Thermal Insulation - $U_w$	0.76 W/m <sup>2</sup> K
<b>Comfort</b>	
Air tightness	Class 4 (600Pa)
Water tightness	Class E900 (900Pa)
Acoustics – $R_w(C;Ctr)$	TuTi: 46(-1;-4) dB, DC: 44(-2;-4) dB
Wind load resistance	Class C4 (1600Pa)
Opening & closing resistance	Class 3
<b>Safety</b>	
Burglar resistance	RC2, WK2, RC3, WK3

#### Info.

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## Performance US Units

<b>Energy</b>	
Thermal Insulation – U <sub>w</sub>	U <sub>w</sub> Triple: 0.14 Btu/hr.ft <sup>2</sup> .°F
<b>Comfort</b>	
Air tightness	0.01 cfm/ft <sup>3</sup> / Class 4 (600Pa)
Water tightness	15 psf / Class E900 (900Pa)
Wind load resistance	Class C4(1600Pa)
AAMA rating	Class AW
PG rating	70
Acoustics STC	50 dB
Acoustics OITC	44 dB
<b>Safety</b>	
Burglar resistance	RC2, RC3

### Info.

Address: Ampelia, Ioannina 45 500 Greece. - Web: [www.simpasus.com](http://www.simpasus.com) // [info@simpas.gr](mailto:info@simpas.gr) - Phone: +30 26510 92177 // +30 697 668 9259

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## Properties EU Units

<b>Max. Dimensions &amp; Weight</b>			
Min. Height of element	654 mm	Max. height of vent	2800 mm
Max. Height of element	2854 mm	Min. width of vent	550 mm
Min. Width of element	604 mm	Max. width of vent	1200 mm
Max. Width of element	1254 mm	Max. weight of vent	200 kg
Min. Height of vent	600 mm	Max. weight of glass	1200 kg
<b>Sightlines</b>			
Min. frame width (inward opening)	60 mm	Min. frame-vent width (outward opening)	140 mm
Min. vent width (inward opening)	37 mm	Min. width T-profile	87 mm
Min. frame-vent width (inward opening)	104 mm	Depth frame	97 mm
Min. frame width (outward opening)	27 mm	Depth vent	107 mm
Min. vent width (outward opening)	113 mm	Depth frame-vent	107 mm
<b>Glazing</b>			
Min. glass thickness – frame/element	20 mm	Max. glass thickness – frame/element	78 mm
Min. glass thickness - vent	30 mm	Max. glass thickness - vent	88 mm
Rebate height	27 mm		
Glazing method	Dry glazing, Siliconized glazing, Internal glazing, Glazing bead		

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## Properties USA Units

<b>Max. Dimensions &amp; Weight</b>			
Min. Height of element	25 3/4 inch	Max. height of vent	110 1/4 inch
Max. Height of element	112 3/8 inch	Min. width of vent	21 5/8 inch
Min. Width of element	23 3/4 inch	Max. width of vent	47 1/4 inch
Max. Width of element	49 3/8 inch	Max. weight of vent	440 lbs.
Min. Height of vent	23 5/8 inch	Max. weight of glass	2645 lbs.
<b>Sightlines</b>			
Min. frame width (inward opening)	2 3/8 inch	Min. frame-vent width (outward opening)	5 1/2 inch
Min. vent width (inward opening)	1 7/16 inch	Min. width T-profile	3 7/16 inch
Min. frame-vent width (inward opening)	4 1/8 inch	Depth frame	3 13/16 inch
Min. frame width (outward opening)	1 1/16 inch	Depth vent	4 3/16 inch
Min. vent width (outward opening)	4 7/16 inch	Depth frame-vent	4 3/16 inch
<b>Glazing</b>			
Min. glass thickness – frame/element	13/16 inch	Max. glass thickness – frame/element	3 1/16 inch
Min. glass thickness - vent	1 3/16 inch	Max. glass thickness - vent	3 7/16 inch
Rebate height	13/16 inch		
Glazing method	Dry glazing, Siliconized glazing, Internal glazing, Glazing bead		

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