

Product name: MasterLine 8 SoftTone (further described as 'Product')

Field of application: Paralel outward opening windows are commonly used for optimal ventilation and cooling of interior spaces. This product offers a reduced interior sound level in opened position of the window, allowing a broader application of paralel opening windows and therby reducing the cooling need via mechanical installations.

Product description: A Paralel outward opening insulated aluminium window with a non-active sound level reduction from outside to inside of 20dB by absorbing the acoustic energy in opened position with an effective opening of 90mm, with foam filled, folded, perforated aluminium sheets on both the indirect visible surfaces of sash and outer frame profiles. The cavity between sash and outer frame is filled with a 2 part insulation foam in counter shape where 1 part is mounted on the sash and the other on the outer frame.
The product is operable via a handle on the face of the sash profile square to the glass and can be installed either as unit within a 77mm deep combined window system or installed as a (fully concealed) stand-alone unit on a 77mm outer frame.

System dimensions and materials:	exterior visible width:	144mm
	system depth	237mm
	frame depth	227mm
	vent depth	161mm
	glass rebate	27mm
	thermal break	40mm tubular insulation bars
	min. glass thickness	4mm
	max. glass thickness with tubular glazing beads	44mm
	max. glass thickness	54mm
	material gaskets	EPDM Shore 70
	material thermal break	Glass fiber reinforced polyamide (PA 6.6 GF25)
	material friction stays	stainless steel
	material sound absorbing foam	Open cell Polyester-PolyUrethane foam with a density 30kg/m ³

Performances:	U _f value	1,4W/m ² K
	air permeability (EN 12207)	class 4
	water resistance (EN 12208)	class E2400A
	wind load resistance (EN 12210)	class C4
	acoustic insulation R _w (closed position)	42dB (-2,-4)
	acoustic insulation R _w (100mm opened position)	11dB (0,-1)
	sound level reduction exterior-interior	20dB
	maximum dimensions (h x w)	2600x1700mm
	resistance to corrosion (EN ISO 9227)	class 5

Operation: Manual or motorised with friction stays mounted in a 15x5mm groove



<https://www.reynaers.com/en/fabricators/masterline-softtoner>