



## KASKI MSEA THERMO

### OPENING TRIPLE GLASS WOOD-ALUMINIUM WINDOW



### STRUCTURE

- frame and inner casement painted or glaze finished pine
- frame's external cladding and outer casement aluminium
- wooden parts joined with mortise joints
- frame's strength 42 mm, intermediate frame's strength 50mm
- frame's depths 130, 170 and 210 mm
- deflating structure in between the frame and aluminium cladding
- 100 % brilliant coating
- triple sealing with silicone sealant
- plate glass in the outer casement
- double insulation glass unit, double selective glazing, TGI - parting strip (light gray) and argon gas

### SIZES

- min height 290 mm
- min width 270 mm
- frame's max height 2500 mm (without the intermediate ame)
- frame's max height or width 3050 mm (with the intermediate frame)
- casement's max area 4 m2
- frame's max area 6 m2
- only rectangle windows

### COLORS

- wooden parts off-white NCS S 0502-Y
- water-dilutable acryle paint
- aluminium frames on the outside white RAL 9010, light gray RR21, dark gray RR23, dark brown RR32 and black RR33
- aluminium frames powder-coated

### FEATURES

Basic feature	Level of performance
Air tightness	4
Water-resistance	EI200
Wind-resistance	3

Levels of performances are tested or calculated to 1230 x 1480 mm sized window with standard glazing.

### EXTRA EQUIPMENT

- ventilation windows
- vents
- other colors (all ral-colors and RR-colors available except metallic and neon colors)
- decorative glass panes
- special glass panes
- removable frame grids
- fixed grids
- integrated blinds
- anti-fog glazing
- insect casement
- replacement air ventilator
- in-coiling string in
- integrated blinds



## MSEA THERMO -WINDOW'S PERFORMANCE LEVELS WITH MOST COMMON GLAZINGS

	Glazing (reading from within)	Frame depth mm	U-value W/m <sup>2</sup> K	R <sub>w</sub> dB	R <sub>w</sub> +C dB	R <sub>w</sub> +C <sub>tr</sub> dB	Total throughput of solar energy		Energy window™ - class
							g <sub>g</sub>	g <sub>w</sub>	
<b>Standard (ac anti-fog)</b>	sp: 4sel/18tgi/4g+ar up: 4ac	130	0,83	43	41	38	0,5	0,38	A+
		170	0,8	46	44	41	0,5	0,38	
		210	0,8	49	47	45	0,5	0,38	
	sp: 4sel/18tgi/4g+ar up: 6ac	130	0,82	46	45	41	0,49	0,38	A+
		170	0,8	49	48	44	0,48	0,37	
		210	0,8	51	49	46	0,48	0,37	
	sp: 6sel/16tgi/4g+ar up: 4ac	130	0,84	46	44	40	0,5	0,38	A+
		170	0,82	49	47	43	0,5	0,38	
		210	0,81	49	47	45	0,5	0,38	
sp: 6sel/16tgi/4g+ar up: 6ac	130	0,84	47	45	42	0,49	0,38	A+	
	170	0,82	50	48	45	0,49	0,38		
	210	0,81	51	50	46	0,49	0,38		
sp: 6.8sel/16tgi/4fl+ar up: 4ac	130		46	44	39				
	170		49	47	43				
	210		48	47	44				
<b>Sun-protection (no anti-fog)</b>	sp: 4fl/18tgi/SC70/35+ar up: 4g	130	0,83	43	41	38	0,36	0,28	A
		170	0,8	46	44	41	0,36	0,28	
		210	0,8	49	47	45	0,36	0,28	
	sp: 4fl/18tgi/SC70/35+ar up: 6g	130	0,82	46	45	41	0,36	0,28	A
		170	0,8	49	48	44	0,36	0,28	
		210	0,8	51	49	46	0,35	0,27	
	sp: 6fl/16tgi/SC70/35+ar up: 4g	130	0,84	46	44	40	0,37	0,28	A
		170	0,82	49	47	43	0,37	0,28	
		210	0,81	49	47	45	0,37	0,28	
	sp: 6fl/16tgi/SC70/35+ar up: 6g	130	0,84	47	45	42	0,36	0,28	A
		170	0,82	50	48	45	0,36	0,28	
		210	0,81	51	50	46	0,36	0,28	
	sp: 6.8/16tgi/SC70/35+ar up: 4ac	130		46	44	39			
		170		49	47	43			
		210		48	47	44			