

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 frame)
- 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 | E1200 |
| Wind pressure resistance | 3 |

Levels of performances are tested or calculated to 1230x1480 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 ² K | R _w dB | R _w +C dB | R _w +C _{tr} dB | Total throughput of solar energy | | Energy window™ - class |
|-------------------------------------|------------------------------------|-------------------|-------------------------------|----------------------|-------------------------|---------------------------------------|----------------------------------|----------------|------------------------|
| | | | | | | | g _g | g _w | |
| | | | | | | | | | |
| Standard (ac anti-fog) | 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 | | | | |
| Sun-protection (no anti-fog) | 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 | |
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| sp: 6.8/16tgi/SC70/35+ar up: 4ac | 130 | | 46 | 44 | 39 | | | | |
| | 170 | | 49 | 47 | 43 | | | | |
| | 210 | | 48 | 47 | 44 | | | | |