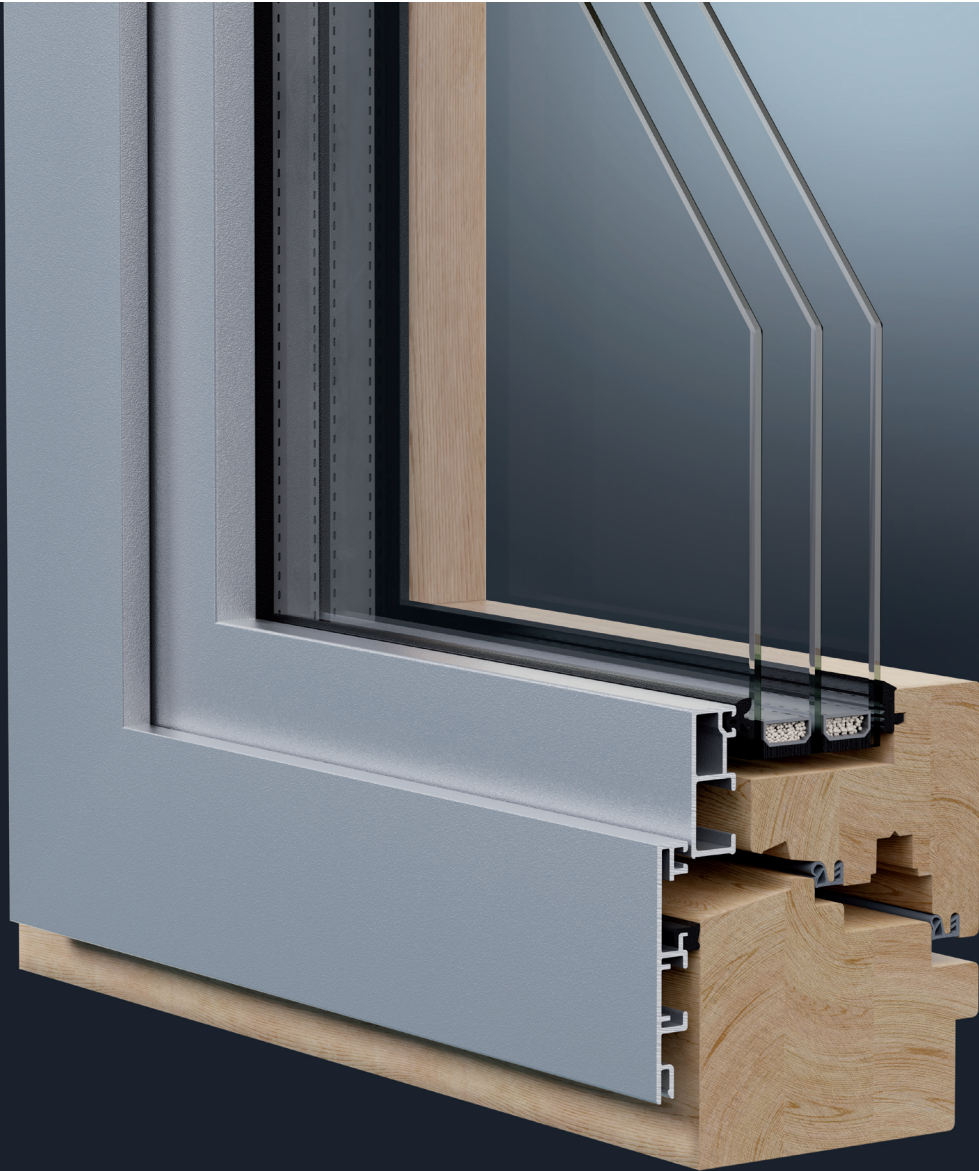




ALUMINIUM SHAPED BY GUTMANN



# GUTMANN MIRA CTS

Wood-Aluminium Window System

## SYSTEM DESCRIPTION

- › Innovative milling contour for a total frame view width of well under 100 mm.
- › Elegant shell design and more design options thanks to the modular design. Fabrication of various aluminium profile contours with the same wood cross-section and holder position.
- › Very large glass lights are possible. Capacity for heavy glass weights.
- › High-quality corner joint of sash frames in punched or welded design.
- › Extensive system testing for CE marking.
- › Burglar resistant RC 3.
- › Glazing can be done with pane adhesive or with dry glazing.
- › Automated installation of the pivot holder directly on the sash frame.
- › Easy installation of the integrated FPS-I fall-prevention glazing.
- › Special shapes, such as round arches and sloped components.
- › Narrow sash facings inside, for small windows and deep wood cross-sections.
- › Wooden windows can be produced with a milled glazing bead on the sash.
- › A wide range of structural connection profiles and accessories are available from the GUTMANN range.

## SYSTEM PROPERTIES OF CLASSES



Water tightness

**9A**



Wind load

**C3/B3**



Air permeability

**4**



Operating forces

**1**

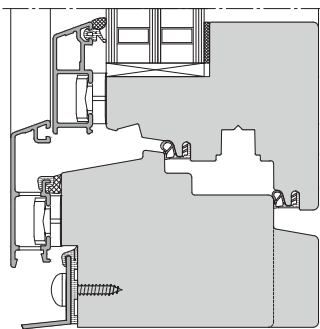
Test sample: Double-sashed tilt & turn window with operable center section (2,200 mm x 2,200 mm) | Wood thickness: 78 mm

## THERMAL INSULATION

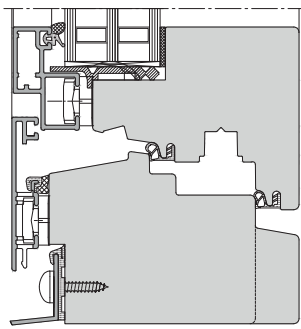


<sup>1</sup> Element size: 1,230 x 1,480 mm | Wood species: Spruce | Wood thickness frame: 106 mm | Wood thickness sash: 90 mm | U<sub>g</sub> value: 0.6 W/m<sup>2</sup>K | Glass spacer: Swisspacer Ultimate

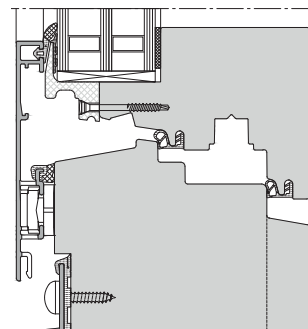
## SYSTEM CROSS SECTION



MIRA CTS



MIRA contour CTS



MIRA contour integral CTS