

Horizontal sliding PVC windows

Our Ecosol 70 sliding window system has been designed mainly for buildings in Mediterranean countries. Designers are offered completely new possibilities for living space arrangements. The solid and stable construction of PVC profiles can be used in large windows and balcony doors, which allows more light into rooms. Horizontal sliding doors can include a single sash sliding on the fixed sash or two sliding sashes. Thanks to sophisticated mechanical solutions, the sash slides with ease.

CONSTRUCTION: Veka system, 70 mm wide 3-chamber frame, 45 mm wide 2-chamber sash profile; internal steel reinforcements with min. thickness 1,5 mm along the entire length and width of the frame and sash guarantee perfect static stability and functional safety; thanks to the profile internal wall thickness $\geq 2,8$ mm, the system is qualified to the highest quality - class A (in accordance with PN-EN 12608 standard); the frame is provided with drain holes.

AVAILABLE COLOURS: white, wood-like or solid veneer acc. to RAL palette; veneer covering one or both sides.

GLAZING: 24 mm thick double-pane insulated glazing unit with low-emission glass and argon-filled air space (heat-transfer coefficient $U_g \leq 1,0$ W/m² K, acoustic insulation $R_w = 31$ (-2;-5) dB); optional: absorptive, reflexive and ornamental glass; "warm edge spacer" to integrate the glazing unit with a special PVC coating and to reduce condensation on panes.

GASKETS: two sash gaskets made of material resistant to weathering (cracking, stress, aging); gaskets available in black.

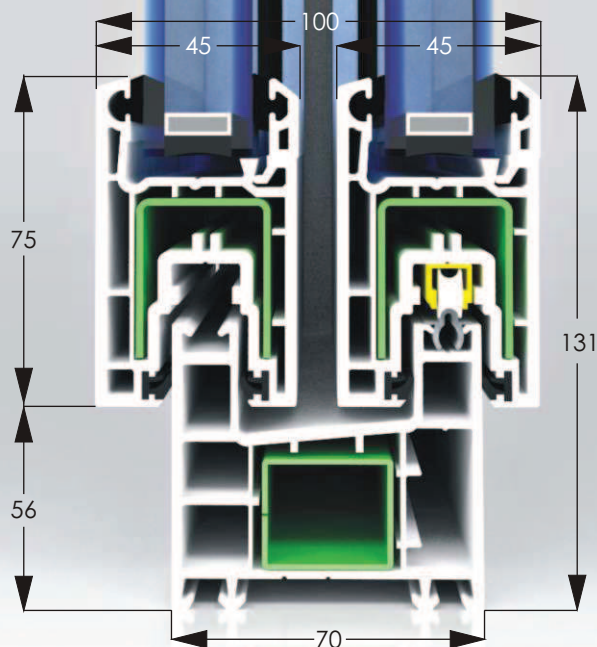
FITTINGS: Roto with bolts and catches with improved burglar-proof protection.

HANDLES: standard handles available in a selection of colours; double sliding windows offered in two handle options: standard or flushed with the profile surface.

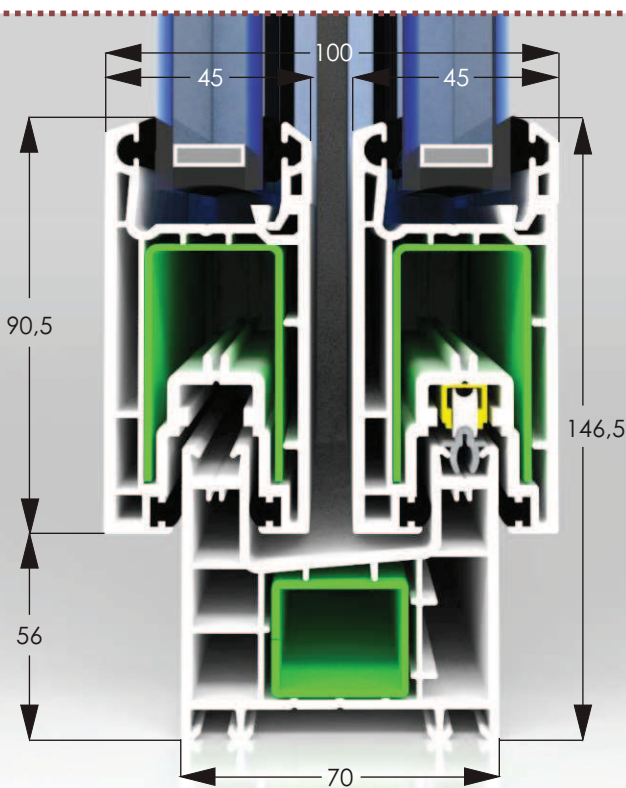
MUNTINS: internal with single or double-side colouring options.

Classification of properties for Veka ECOSOL 70 system	
Air permeability	Class 4
Water tightness	Class 7A
Wind load resistance	Class C2-B2
Load carrying capacity of security devices	350 N threshold value
Thermal insulation (1,5 m x 1 m window)	U_w (W/m ² K) = 2,01
Sound insulation (2,5 m x 2,15 m window)	$R_w = 28$ (-1;-5) dB
Light transmittance (Lt)	80%
Solar radiation (g)	61%

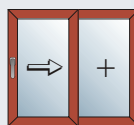
Hygienic certificate: HK/B/0143/01/2008 issued by the National Institute of Hygiene (PZH)
 Declaration of Conformity (CE) No. 13/2011 compliant with PN-EN 14351-1+A1:2010
 Flame retardant certificate No. 014/BM-1/2004 issued by the Test and Research Center for Fire Protection (CNBOP) for VEKA profiles



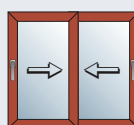
Cross-sectioned VEKA ECOSOL 70 window (profile dimensions in mm)



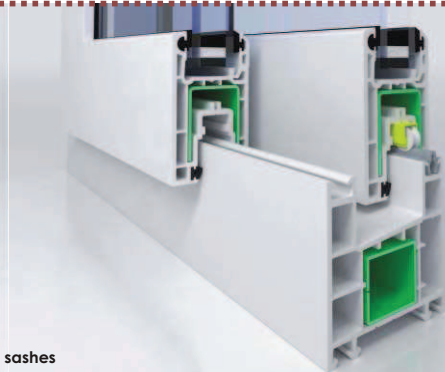
Cross-sectioned VEKA ECOSOL 70 balcony door (profile dimensions in mm)



Window with one sliding sash



Window with two sliding sashes



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