

Windows » PVC windows » IGLO Energy Classic



A perfect solution for demanding Clients!

Modern design, innovative technology and high energy efficiency that ensures lower heating bills!

Features

1. Energy efficiency as a result of the optimal profile structure, specially designed sealing system made of foamed EPDM and glass packages with low thermal transmittance.
2. Modern design that is guaranteed by the slim, round-shaped profiles.
3. High safety level guaranteed by two anti-burglary bolts in standard.
4. Wide range of 43 veneer colours that ensures numerous interior design styles.
5. Good parameters of sound insulation that ensure acoustic comfort even in places with intense traffic.
6. Great parameters of air permeability and water resistance as a result of using triple sealing.
7. System offers great resistance to wind load thanks to optimal reinforcement.
8. The possibility to execute in the so-called thin welding technology (V-Perfect), that allows to connect the profiles perfectly and it guarantees better clamp and welding control, and, as a result, very good parameters in the resistance tests of the corners.

Technical data

Spacer frame	Steel galvanized spacer frame in standard, optionally Swisspacer Ultimate available in various colour options.
Gaskets	The window is equipped with the system of triple sealing; external, internal made of EPDM, and central made of foamed EPDM. External and internal gaskets are available in black and grey colours.
Colour range	The system is available in Renolit foil colours on white or brown core.
Sound insulation	Rw = 35-46 dB (depending on applied glass packages)
Profile	7-chamber frame and sash profiles made exclusively of prime material in A-class with installation depth 82 mm. Maximal glazing thickness up to 48 mm.
Glass	Glass package 4/18/4/18/4 with thermal transmittance $U_g = 0,5 \text{ W}/(\text{m}^2\text{K})$ in standard. Optionally – the possibility to apply four-glass package filled with krypton with $U_g = 0,3 \text{ W}/(\text{m}^2\text{K})$; the possibility to apply glasses with enhanced sound insulation, tempered, safety, anti-burglary, ornament or solar protective.
Thermal insulation	$U_w = 0,59 \text{ W}/(\text{m}^2\text{K})^*$ with glass fiber reinforcement for glass with coefficient $U_g = 0,3$ filled with krypton $U_w = 0,81 \text{ W}/(\text{m}^2\text{K})^*$ with steel reinforcement and glass package $U_g = 0,5 \text{ W}/(\text{m}^2\text{K})$.
Reinforcement	*For a window 1230x1480 mm – CSI in the Czech Republic Frame reinforcement – full steell (closed). In the full reinforcement, anti-burglary bolts are screwed to the steel. C-shaped beam reinforcement in the sash. The possibility to apply glass fiber reinforcement which improves thermal insulation parameters of the window.

MACO MULTI MATIC KS with two anti-burglary bolts in standard. Silber-Look coating and line-shaped concavities in espagnolette, optionally hinges hidden in the fitting notch; solutions in anti-burglary class RC 2 and RC 2N, window equipped with lifiting sash and handle missplacement blockage *,
Fittings micro-ventilation in a slot **.

*Depending on the window height

**for tilt and turn windows