

Iglo energy window is an original product from DRUTEX S.A. It has an innovative sealing system that guarantees great parameters in terms of energy efficiency. It is the world-first solution in such a system that applies a central gasket made of foamed EPDM. It also ensures outstanding parameters concerning air permeability, water tightness and resistance to wind load. It is a perfect solution for energy efficient and passive houses.

SPECIFICATION:



Profile

7-chamber profiles of the frame and the sash, made exclusively of prime material in A-class for installation depth of 82 mm.



Glazing

As a standard, glass package 4/18/4/18/4 of thermal transmittance coefficient $U_g=0,5 \text{ W/(m}^2\text{K)}$; the possibility to apply a four-glass package of $U_g=0,3 \text{ W/(m}^2\text{K)}$.



Fittings

As a standard MACO MULTI MATIC KS fittings with Silber-Look coating, two anti-theft hooks, a wing lift with a block against handle misplacement.

Optionally the possibility to hide hinges in the fitting notch and application of solutions in anti-burglary class RC 2 and RC 2N.



Sealing system

The window is equipped with an innovative sealing system, available exclusively in DRUTEX S.A. offer, that guarantees great parameters in energy efficiency. EPDM sealing is available in black, grey and graphite colors.



Color range

Wide color range in 33 film colors that match numerous interior design styles.



Thermal transmittance

$U_w= 0,6 \text{ W/(m}^2\text{K)}$ * with three-chamber package filled with krypton

$U_w= 0,79 \text{ W/(m}^2\text{K)}$ * with two-chamber package filled with argon



Sound insulation

37-46 dB

*For a window of 1230mm x 1480mm according to test of the CSI institute in the Czech Republic

MODERN DESIGN, INNOVATIVE TECHNOLOGY AND HIGH ENERGY EFFICIENCY IN A WINDOW!

PERFECT SOLUTION FOR THE DEMANDING CLIENTS!



LEARN ABOUT THE ADVANTAGES OF IGLO ENERGY:



Energy efficiency, thanks to the optimum profile structure, especially designed sealing system made of foamed EPDM and glass packages of low thermal transmittance coefficients.



Modern design ensured by the slender and rounded profile shape.



High safety level guaranteed by the application of two anti-theft hooks as a standard. The intelligent control systems with a remote control, a tablet and mobile devices ensure functionality, safe usage and enable to integrate the solutions with alarm systems.



Resistant structure, thanks to the stable profile with a frame reinforcement – steel full (closed). In the full reinforcement, anti-theft hooks are screwed to the steel, in the sash, the reinforcement takes the shape of C-beam. The possibility to apply glass fiber reinforcement which improves thermal insulation parameters of the window.



Wide color range of the systems that match numerous interior design styles; 33 film colors are available in the offer.



Great parameters of air permeability and water tightness, thanks to the application of the triple seal.

Perfect resistance to wind load, thanks to the optimum reinforcement.



Application of glass with low-emission coatings of thermal transmittance coefficient even at $U_g=0,3 \text{ W}/(\text{m}^2\text{K})$ level ensures higher energy efficiency. The unique parameters are also obtained thanks to the use of krypton to fill the space between the glass panes.

MACO MULTI MATIC KS fittings as a standard are equipped with a wing lift with a block against handle misplacement that allows to close effortlessly even the heavy wings.

Big profile chamber with a steel reinforcement or optionally glass fiber reinforcement guarantee perfect resistance and statics.

Windows made of 7-chamber A-class profiles, for installation depth of 82 mm, ensure considerable energy savings. The optimum number and size of the chambers guarantee great parameters in thermal transmittance.

The window equipped with a system of triple sealing: external, internal made of EPDM, and central made of foamed EPDM, which guarantees high energy efficiency, and the thermal transmittance coefficient is $0,6 \text{ W}/(\text{m}^2\text{K})^*$. Additionally, as a standard the window is equipped with a five-chamber under-sill board with an internal gasket that increases the window tightness and improves its parameters regarding thermal insulation.

*For a window of 1230mm x 1480mm according to test of the CSI institute in the Czech Republic