

Doors » Doors PVC » IGLO ENERGY



### Iglo Energy doors

Modern design and perfect thermal insulation properties.

#### Features

1. Great thermal insulation parameters as a result of the optimal profile structure and innovative EPDM sealing system.
2. A wide range of Renolit foils and the possibility to apply a number of door fillings enables a vast array of interior designs.
3. Long usage and structure stability.
4. High safety level guaranteed by high-quality door fittings.
5. Elegant design that matches current architectural trends.
6. Possibility to choose from a wide range of shapes and patterns that create a unique character.
7. Application of low threshold ensures comfortable usage.
8. The possibility to execute in the so-called thin welding technology (V-Perfekt), 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

Gaskets	The door 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, grey and graphite colours.
Spacer frame	Steel galvanized spacer frame in standard, optionally Swisspacer Ultimate available in various colour options.
Fittings	3-point automatic espagnolette MACO; hinges made of drawn aluminum which stands out with great durability.
Colour range	The system is available in 43 colours of Renolit foil on white or brown core.
Thermal insulation	$U_w = 0,9 \text{ W}/(\text{m}^2\text{K})^*$ <small>* For a door with measurements 1000x2100mm, CSI made in the Czech Republic</small>
Sound insulation	$R_w = 35\text{-}46 \text{ dB}$ depending on the door fillings.
Profile	7-chamber frame profile and 5-chamber sash profile are made exclusively of prime material in A-class with installation depth 82 mm.
Glass	Glazing - maximal glazing thickness 48 mm; glass package 4/18/4/18/4 with thermal transmittance of $U_g = 0,5 \text{ W}/(\text{m}^2\text{K})$ in standard; 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 and solar protective; a wide range of door fillings.