

Terrace systems » Tilt and slide PSK » IGLO ENERGY PSK



Tilt and slide balcony doors Iglo Energy

Perfect solution, that ensures big access to daylight both in small and big rooms, maintaining great thermal insulation at the same time.

Features

1. Great solution for small rooms. It does not take up usable space while opening.
2. Big glazing surface ensures more daylight in the room.
3. Energy efficiency, thanks to the optimal structure of the profile, specially designed EPDM sealing system and glass packages with low thermal transmittance coefficients.
4. Modern design, ensured by the slim and round-shaped profiles.
5. High safety level guaranteed by four anti-burglary bolts in standard.
6. Wide range of colour range, that enables numerous interior design styles.
7. Very good parameters of sound insulation ensure acoustic comfort even in places with intense traffic.
8. Great parameters of air permeability and water resistance as a result of triple sealing.
9. Thanks to optimal reinforcement the system offers great resistance to the wind load.
10. 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 (Iglo Energy Classic).

Technical data

Sound insulation  $R_w = 35-46$  dB

**Fittings** Maco Multi Matic KS fittings. There is a possibility to apply automatic fittings, that support tilt closing. Four anti-burglary bolts.

**Gaskets** The doors are 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.

**Profile** 7-chamber frame and sash profiles are made exclusively of a prime material in A-class with installation depth of 82 mm.

**Reinforcement** Frame reinforcement – full steel (closed). In the full reinforcement, anti-burglary bolts are screwed to the steel. C-shaped reinforcement beam in the sash.

**Glass** Glass package of 4/18/4/18/4 with thermal transmittance  $U_g = 0,5$  W/(m<sup>2</sup>K) in standard. The possibility to apply four-glass package filled with krypton and  $U_g = 0,3$  W/(m<sup>2</sup>K); maximal glazing thickness up to 48 mm. The possibility to apply the glasses with enhanced sound insulation, tempered, safety, anti-burglary, ornament, or solar protective.

**Colour range** The system is available in Renolit foil colours on white or brown core.

**Spacer frame** Steel galvanized spacer frame in standard. Optionally Swisspacer Ultimate available in various colour options.