



## window and door systems

### Imperial i+

- \_ window and door system with increased thermal insulation performance: IP i, IP i+ used to construct windows, doors and display windows with high thermal insulation parameters
- \_ high thermal insulation parameters have been obtained by using special thermal inserts between the thermal separators and around the glass pane
- \_ available wide range of system sections guarantees that the required aesthetics and strength of the structure are obtained
- \_ glazing beads available in the following options: rectangular and rounded
- \_ profile shapes adapted to the installation of various types of perimeter hardware, including concealed hinges and PVC hardware
- \_ wide range of glazing for use of all types of single and double unit, acoustic or anti-burglary glass panes
- \_ profile drainage available in two options: traditional or concealed
- \_ possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at [www.aliplastpoland.com](http://www.aliplastpoland.com))
- \_ system designed for use in residential and public buildings; Imperial i+ allows the design of modern window structures solutions in many variants
- \_ wide range of colours – RAL palette (Qualicoat 1518), textured colours, Aliplast Wood Colour Effect – wood-like colours, Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

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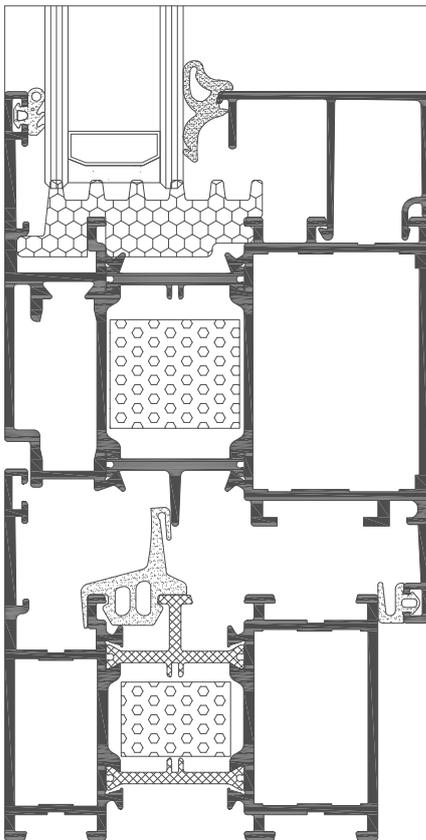
### technical specification

system	material	depth of frame	depth of sash	glazing range	type of windows	acoustics
IP i	aluminium / polyamide	65 mm	74 mm	14 to 51 mm	single, double type of the outswing, inswing type	43 (-2,-4) dB
IP i+	aluminium / polyamide	65 mm	74 mm	14 to 51 mm	single, double type of the outswing, inswing type	43 (-2,-4) dB

### performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
IP i	Uf from 1.57 W/m <sup>2</sup> K	Class 4; EN 12207	Class C4; EN 12210	Class E1350; EN 12208
IP i+	Uf from 1.28 W/m <sup>2</sup> K	Class 4; EN 12207	Class C4; EN 12210	Class E1350; EN 12208

\* Thermal insulation is dependent on a combination of profiles and thickness of the filling



cross-section of the IP i+ window (IP011 + IP622)



example isotherm arrangement for the assembly of the frame and window sash of the IP i+ window system (IP011 + IP622)