



**window system**

## Imperial OUT

- window system for the design of tilting and outswing windows
- the Imperial OUT system is fully compatible with the Imperial window system (the same system components: connectors, gaskets, glazing beads)
- the Imperial OUT system features a flush inner surface of the frame and the sash
- outswing windows can be equipped with two types of hinges: rotary or scissor hinges; the hardware used allows the sash to be tilted outwards down or upwards; it is possible to open the windows outwards using an opening limiter
- possible to build windows into the display windows by using a reversing profile
- 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))
- maximum dimensions and masses of the structure in the Imperial OUT system:
  - tilt out windows: minimum width and height of the sash 500 mm, maximum width and height of the sash 2000 mm, and maximum sash mass 100 kg for bottom hung windows
  - turn-only windows: minimum sash width and height 500 mm, maximum sash width 1500 mm, sash height 3000 mm, and maximum sash mass 120 kg for turn-only windows
- the IP OUT system is available in a version with increased thermal insulation performance; available options:
  - IP OUT and with insulation around the perimeter at the place where the glass adheres to the profile
  - IP OUT i+ with insulation also in the space between thermal breaks
- 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

## window system

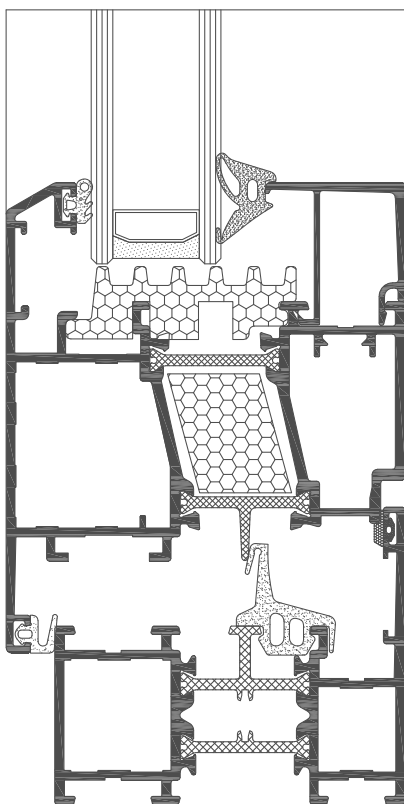
### technical specification

system	material	depth of frame	depth of sash	glazing range	type of windows
IP OUT	aluminium / polyamide	65 mm	74 mm	max. 51	outswing
IP OUT i +	aluminium / polyamide	65 mm	74 mm	max. 51	outswing

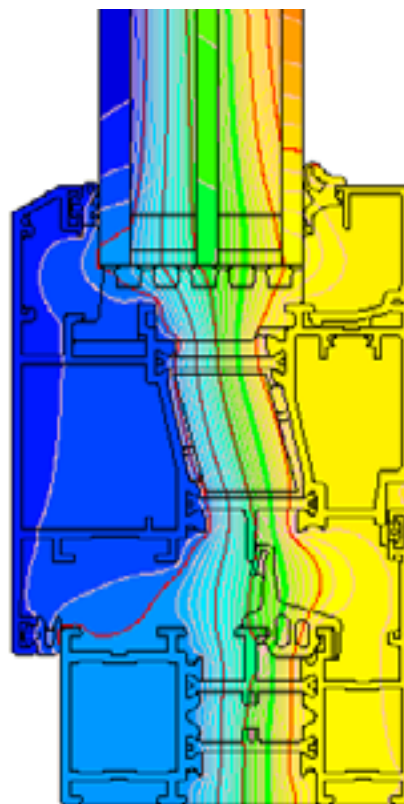
### performance

system	thermal insulation $U_f^*$	air permeability	windload resistance	watertightness
IP OUT	$U_f$ from 1.85 W/m <sup>2</sup> K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E900; EN 12208
IP OUT i +	$U_f$ from 1.68 W/m <sup>2</sup> K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E900; EN 12208

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



cross-section of the IP OUT i+ window (IP521 + IP010)



example isotherm arrangement for the assembly of the frame and window sash of the IP OUT i+ window system (IP521 + IP010)