



## window and door systems

### Superial i+

- system used to construct windows, doors and shop 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 to improve insulation performance of the cross section by 0.2 to 0.4 W/m<sup>2</sup>K
- available thermal options SP i, SP i+
- available wide range of sections guarantees that the required aesthetics and strength of the structure are obtained
- available glazing beads 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))
- available low threshold option for single and double rectangular balcony doors (structures with the use of dedicated profiles); additionally increase in tightness parameters of the structure with the use of the ACRS461 gasket
- possible to install the Flyscreen and Insect System (mosquito net systems)
- 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 and door systems

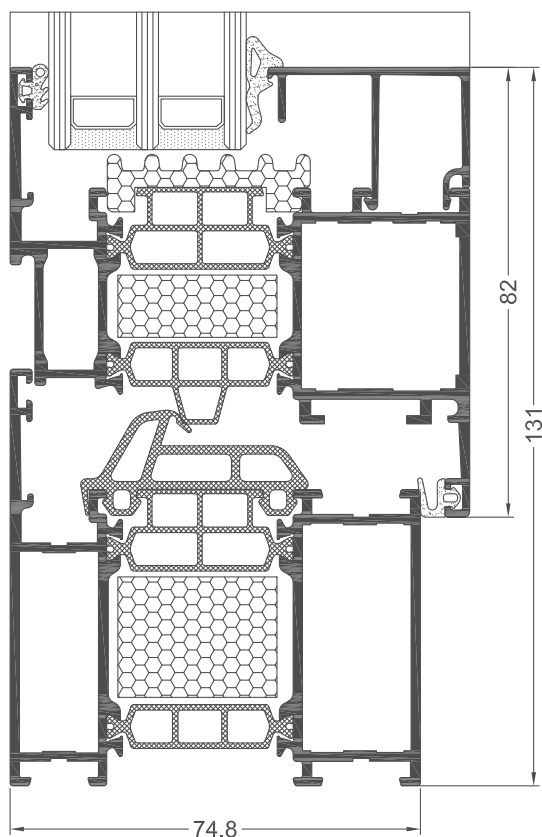
### technical specification

system	material	depth of frame	depth of sash	glazing range	type of windows	acoustics
SP	aluminium / polyamide	75 mm	84 mm	14 to 61 mm	fix, turn-only, tilting, turn-and-tilt	47 (-1,-3) dB
SP i+	aluminium / polyamide	75 mm	84 mm	14 to 61 mm	fix, turn-only, tilting, turn-and-tilt	47 (-1,-3) dB

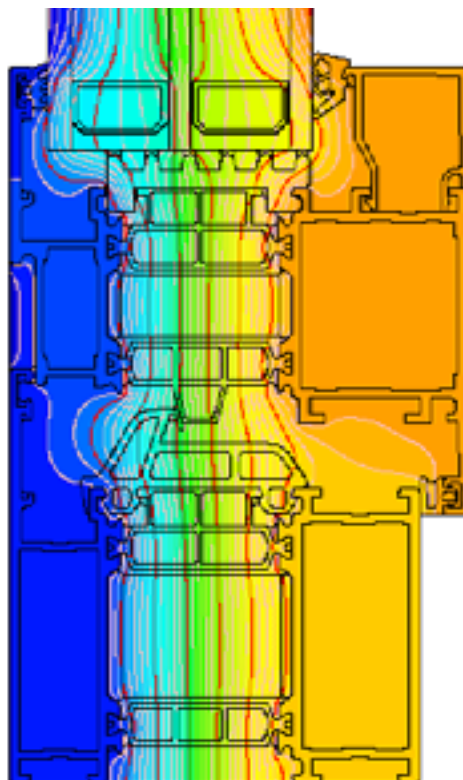
### performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
SP	Uf from 1.41 W/m <sup>2</sup> K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E1950; EN 12208
SP i+	Uf from 1.08 W/m <sup>2</sup> K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E1950; EN 12208

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



cross-section of the SP i+ window (SP012 + SP621)



example isotherm arrangement for the assembly of the frame and window sash of the SP i+ window system (SP012 + SP621)