

Superial OUT

- Superial OUT system intended for the design of tilting and outswing windows, features a flush inner surface of the frame and the sash
- the system is fully compatible with the Superial window system (the same system components: connectors, gaskets, glazing beads)
- 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)
- maximum dimensions and weights of the structure in the Superial OUT system
 - bottom hung 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 SP OUT system is available in a version with increased thermal insulation performance; available options:
 - SP OUT and with insulation around the perimeter at the place where the glass adheres to the profile
 - SP OUT i+ with insulation also in the space between thermal spacers
- 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

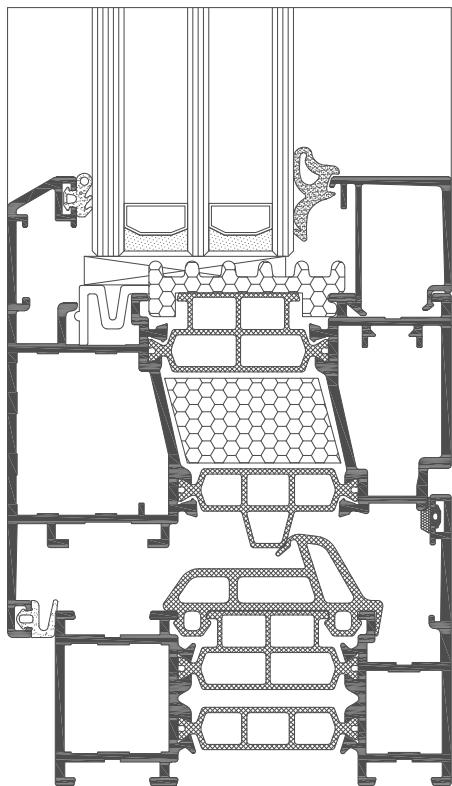
technical specification

system	material	depth of frame	depth of sash	glazing range	type of windows
SP OUT	aluminium / polyamide	75 mm	84 mm	max. 61 mm	outswing
SP OUT i+	aluminium / polyamide	75 mm	84 mm	max. 61 mm	outswing

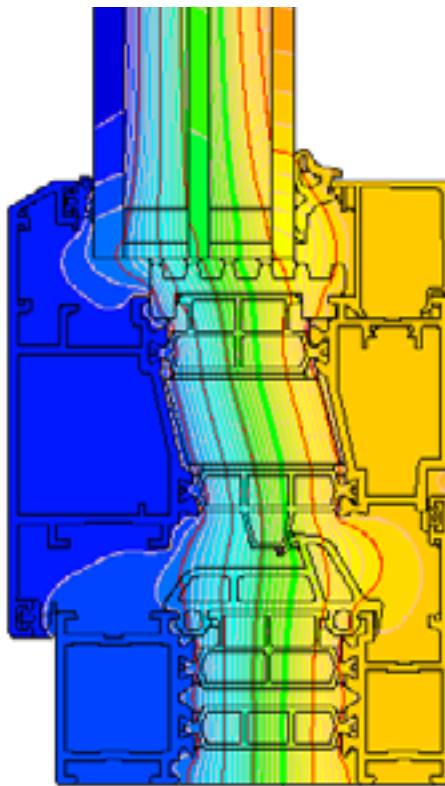
performance

system	thermal insulation U_f^*	air permeability	windload resistance	watertightness
SP OUT	U_f from 1.65 W/m ² K	Class 4; EN 12207	Class C5/B5; EN 12210	Class E900; EN 12208
SP OUT i+	U_f from 1.41 W/m ² 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 SP OUT i+ window (SP010 + SP521)



example isotherm arrangement for the assembly of the frame and window sash of the SP OUT i+ window system (SP010 + SP521)