# SUPERIAL SU

aliplast
aluminium systems

**window system**

## Superial SU

_ three-chamber window system with thermal insulation used to construct windows with a concealed sash that is invisible from the outside
_ the system featuring a specially designed frame shape covering the entire height of the sash profile
_ 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 and 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)
_ 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
_ the SP SU system is available in an option with increased thermal insulation performance: available SP SU option and with insulation around the perimeter at the place where the glass adheres to the profile
_ 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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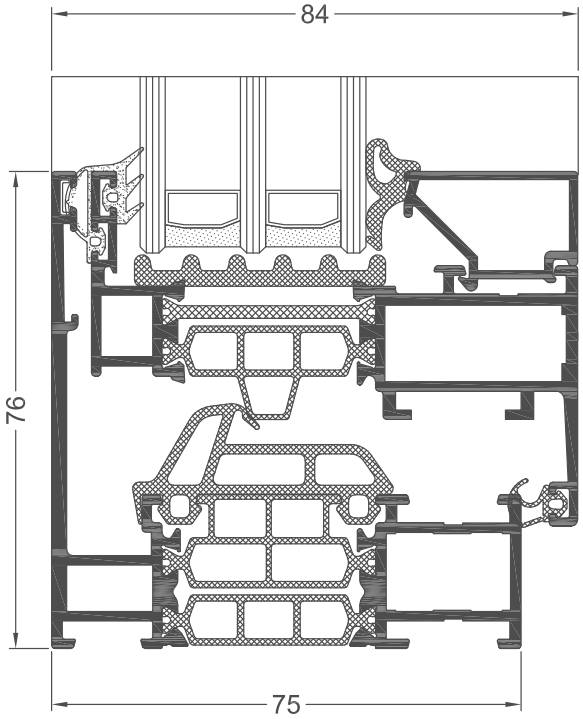
## technical specification

| system | material | depth of frame | depth of sash | glazing range | type of windows | acoustics |
|---|---|---|---|---|---|---|
| SP SU | aluminium / polyamide | 75 mm | 78 mm | 14 to 51 mm | hidden sash | 47 (-1,-5) dB |
| SP SU i | aluminium / polyamide | 75 mm | 78 mm | 14 to 51 mm | hidden sash | 47 (-1,-5) dB |

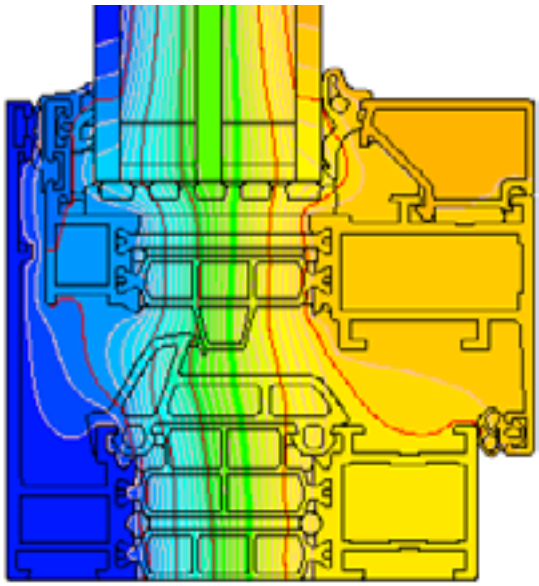
## performance

| system | thermal insulation Uf* | air permeability | windload resistance | watertightness |
|---|---|---|---|---|
| SP SU | Uf from 1.48 W/m$^2$K | Class 4; EN 12207 | Class C4/B4; EN 12210 | Class E1200; EN 12208 |
| SP SU i | Uf from 1.12 W/m$^2$K | Class 4; EN 12207 | Class C4/B4; EN 12210 | Class E1200; EN 12208 |

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




cross-section of the SP SU i window (SP921 + SP916PL)



example isotherm arrangement for the assembly of the frame and window sash of the SP SU i window system (SP921 + SP916PL)