

SUPERIAL 800 i+

aliplast
aluminium systems



door system

Superial 800 i+

- three-chamber door system with thermal insulation, intended for the construction of doors with high insulation parameters
- system compatible with the Superial system; with adaptive profiles, it is possible to build the SP800 series structure into Superial display windows
- the system features very good anti-burglary properties (the lock is located far from the outside)
- it is possible to use a thermally insulated threshold that can be removed after installing the door in the opening
- possible profile bending (detailed specification of profiles and details of technical parameters of profile bending available in the authorised zone at www.aliplastpoland.com)
- the SP 800 system available in two thermal options:
 - SP 800 i
 - SP 800 i+
- increased insulation performance has been achieved by using special thermal inserts between the thermal separators and around the glass pane; this solution improves insulation performance of the cross-section by 0.2 to 0.5 W/m²K
- 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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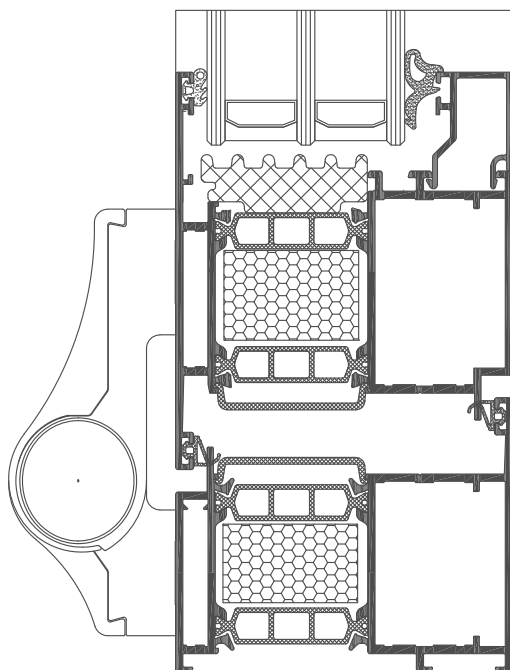
technical specification

| system | material | depth of frame | depth of sash | glazing range | door type | acoustics |
|-----------|-----------------------|----------------|---------------|---------------|---|--------------|
| SP 800 | aluminium / polyamide | 75 mm | 75 mm | 14 to 61 mm | single, double type of the outswing, inswing type, panic door | 44 (0,-2) dB |
| SP 800 i+ | aluminium / polyamide | 75 mm | 75 mm | 14 to 61 mm | single, double type of the outswing, inswing type, panic door | 44 (0,-2) dB |

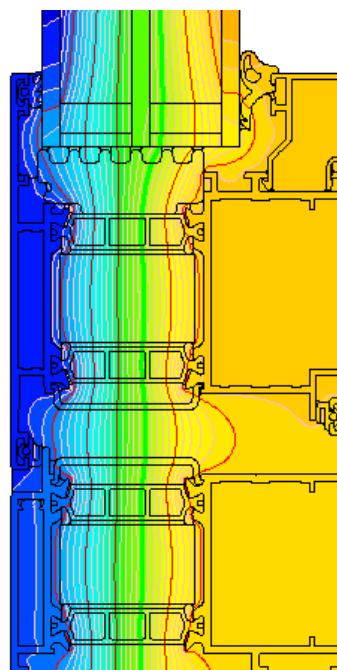
performance

| system | thermal insulation Uf* | air permeability | windload resistance | watertightness |
|-----------|---------------------------------|-------------------|--------------------------------------|--------------------|
| SP 800 | Uf from 1.61 W/m ² K | Class 4; EN 12207 | Class CE/BE 2400 (2400 Pa); EN 12210 | Class 8A; EN 12208 |
| SP 800 i+ | Uf from 1.36 W/m ² K | Class 4; EN 12207 | Class CE/BE 2400 (2400 Pa); EN 12210 | Class 8A; EN 12208 |

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



cross-section of the SP 800i+ door (SP814 + SP825)



example isotherm arrangement for the assembly of the frame and door leaf of the SP 800i+ door system (SP814 + SP825)