



window system

## Genesis OUT

- Genesis OUT is intended for the design of tilting and outswing windows
- the Genesis OUT system is fully compatible with the Genesis 75 window system (the same system components: connectors, gaskets, glazing beads)
- Genesis OUT features a flush inner surface of the frame and 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 downwards 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
- maximum dimensions and masses of the structure in the 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 Genesis OUT system is available in an option with increased thermal insulation performance: available options: GENESIS OUT i, GENESIS OUT i+
- 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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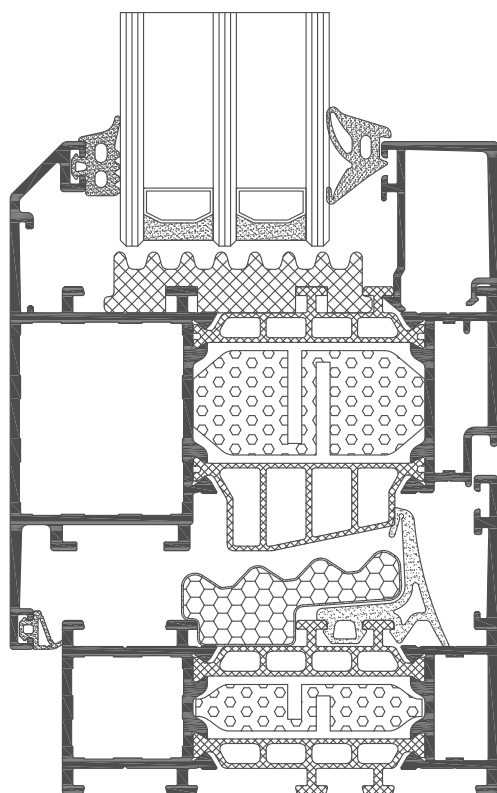
### technical specification

system	material	depth of frame	depth of sash	glazing range	type of windows
GN OUT	aluminium / thermal insulation	75 mm	84 mm	max. 59 mm	outward

### performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
GN OUT	Uf from 1.44 W/m <sup>2</sup> K	Class 4; EN 12207	Class E2400 Pa; EN 12210	Class E2400 Pa; EN 12208
GN OUT i	Uf from 1.28 W/m <sup>2</sup> K	Class 4; EN 12207	Class E2400 Pa; EN 12210	Class E2400 Pa; EN 12208
GN OUT i+	Uf from 1.01 W/m <sup>2</sup> K	Class 4; EN 12207	Class E2400 Pa; EN 12210	Class E2400 Pa; EN 12208

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



cross-section of the GN OUTi+ window (GN521 + GN010)



example isotherm arrangement for the frame and window sash assembly of the GN OUTi+ window system (GN521 + GN010)