

Ponzio®

ALUMINIUM SYSTEMS



About Ponzio

The Ponzio Group is one of the leading manufacturers of aluminium profile systems. This position was achieved by implementing a consistent strategy and with the help of a team of professionals which forms the core of our company. Raw materials and components are purchased from internationally renowned suppliers. The whole manufacturing process is handled by top-of-the line, automated machinery and undergoes strict quality control at every stage. We also have our own laboratory which is used for testing the performances of aluminium constructions.

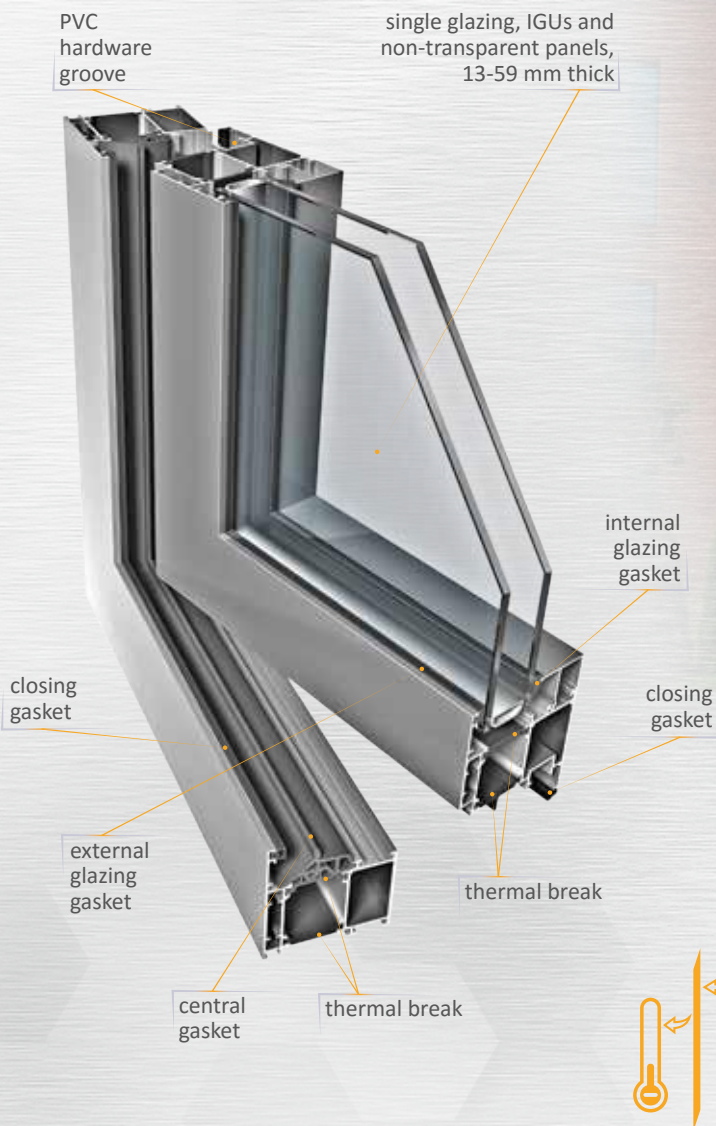
Innovation is one of the main goals of Ponzio. Our aluminium profile systems are designed to fulfill the most stringent requirements. The wide array of system solutions inspire architects to design modern and functional buildings. Many interesting works of architecture located all around the world are the result of our cooperation with designers and investors.

On-time deliveries are coordinated by our advanced logistics centre. Our very own fleet of transport vehicles ensures efficient deliveries to any place in Europe.



EXTERNAL WINDOWS AND DOORS

Ponizio PE68 WINDOWS



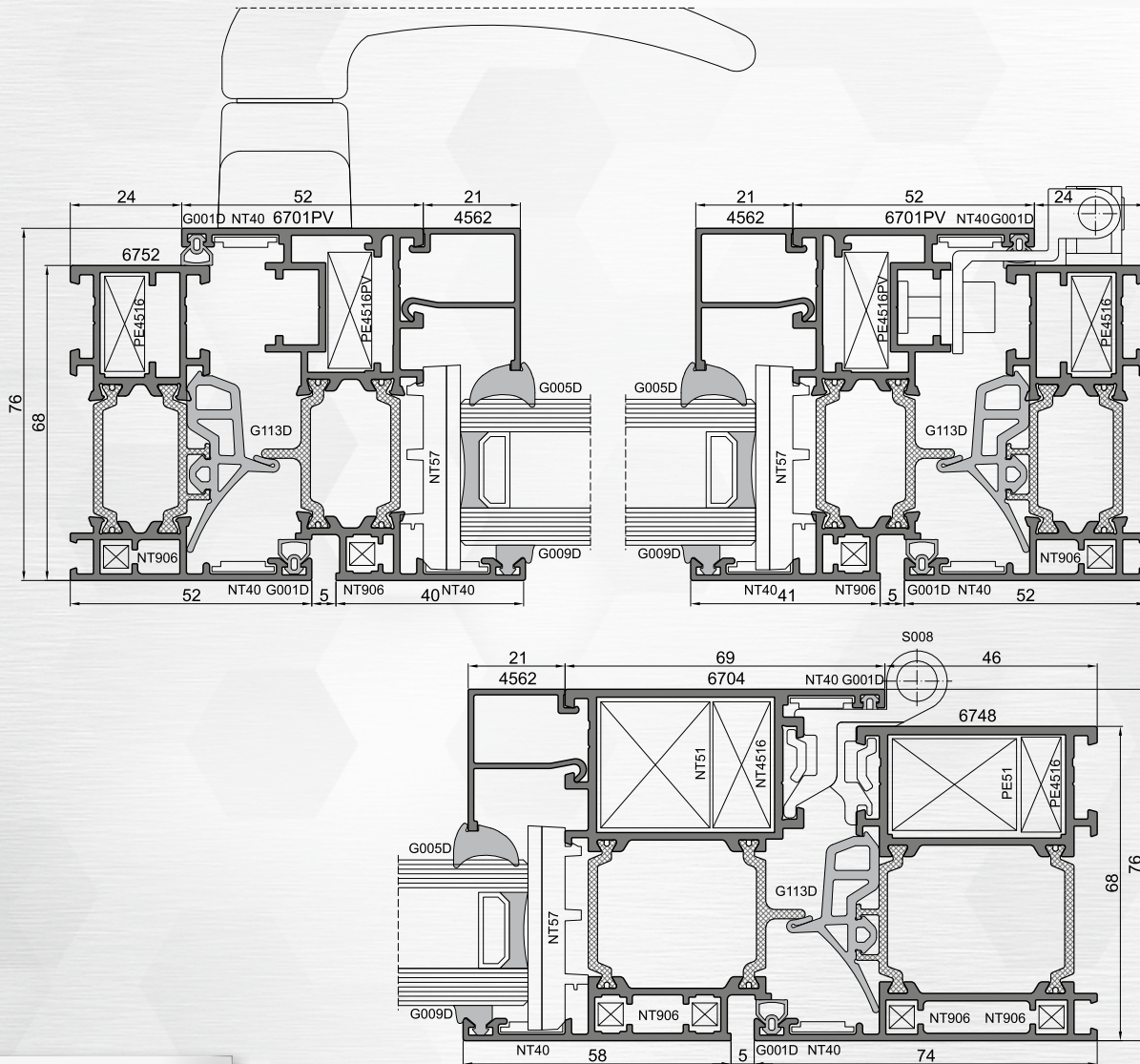
$$U_w = 0.93 \text{ W/m}^2\text{K}$$

*reference construction dimensions: L 1480 x H 2180 mm
 $U_g = 0.5 \text{ W/m}^2\text{K}$, triple glazing

An insulated aluminium profile system with the Euro hardware groove as well as the PVC hardware groove in window sash profiles featuring very high thermal performance.

- high thermal performance due to the optimised 32 mm thermal break and central gaskets (mono- or bi-component)
- easy installation of a wide range of hardware
- the three-cavity design of profiles ensures good mechanical durability, thus enabling large constructions
- window sashes flush with the frame on the outside
- profile bending available
- wide variety of corner joint solutions
- wide variety of possible constructions: turn-tilt, outward opening, concealed sash, pivoting etc.
- different thermal insulation variants with different insulation inserts: PE68+, PE68HI

Ponzio PE68 WINDOWS

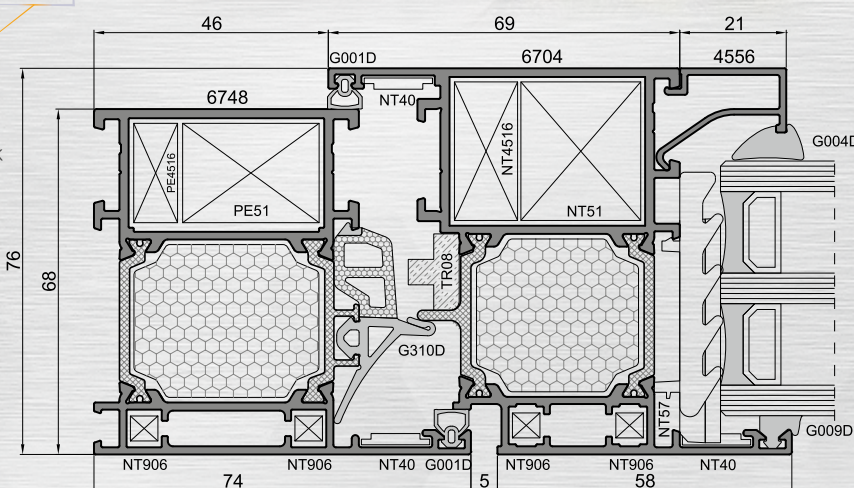
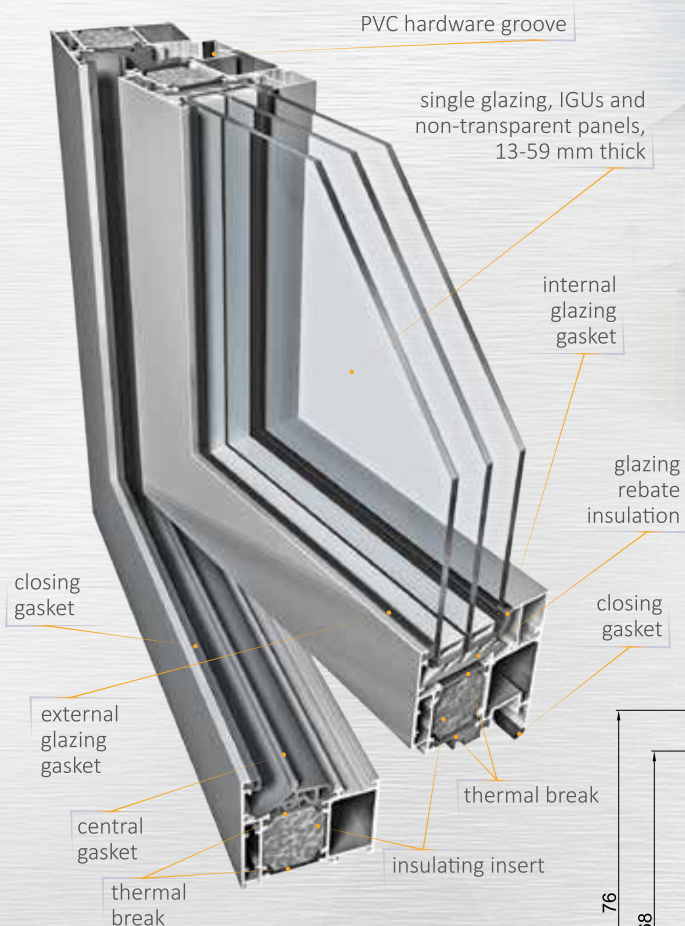


Technical parameters

| | | |
|--------------------------------|----|---|
| Filling thickness | »» | frame: 13-51 mm, sash: 21-59 mm |
| Frame depth | »» | 68 mm |
| Sash depth | »» | 76 mm |
| Maximum sash dimensions | »» | L 1550 x H 2200 mm, L 1200 x H 2400 mm |
| Maximum sash weight | »» | 200 kg |
| Air permeability | »» | class 4 |
| Watertightness | »» | class E1500 |
| Thermal insulation | »» | frame heat transfer coefficient U_f from 1.8 W/m ² K, U_w from 0.93 W/m ² K |
| Resistance to wind load | »» | class C5 |
| Resistance to burglary | »» | class RC2, RC3 in acc. with PN - EN 1627 |
| Certification | »» | ITT in acc. with PN - EN 14351-1 + A1 |

EXTERNAL WINDOWS AND DOORS

Ponzio PE68HI WINDOWS



Technical parameters

| | | |
|--------------------------------|---|---|
| Filling thickness | » | frame: 13-51 mm, sash: 21-59 mm |
| Frame depth | » | 68 mm |
| Sash depth | » | 76 mm |
| Maximum sash dimensions | » | L 1550 x H 2200 mm, L 1200 x H 2400 mm |
| Maximum sash weight | » | 200 kg |
| Air permeability | » | class 4 |
| Watertightness | » | class E1500 |
| Thermal insulation | » | U_f from 1.4 W/m ² K, U_w from 0.84 W/m ² K |
| Resistance to wind load | » | class C5 |
| Resistance to burglary | » | class RC2, RC3 in acc. with PN - EN 1627 |
| Certification | » | ITT in acc. with PN - EN 14351-1 + A1 |



$$U_w = 0.84 \text{ W/m}^2\text{K}$$

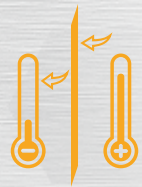
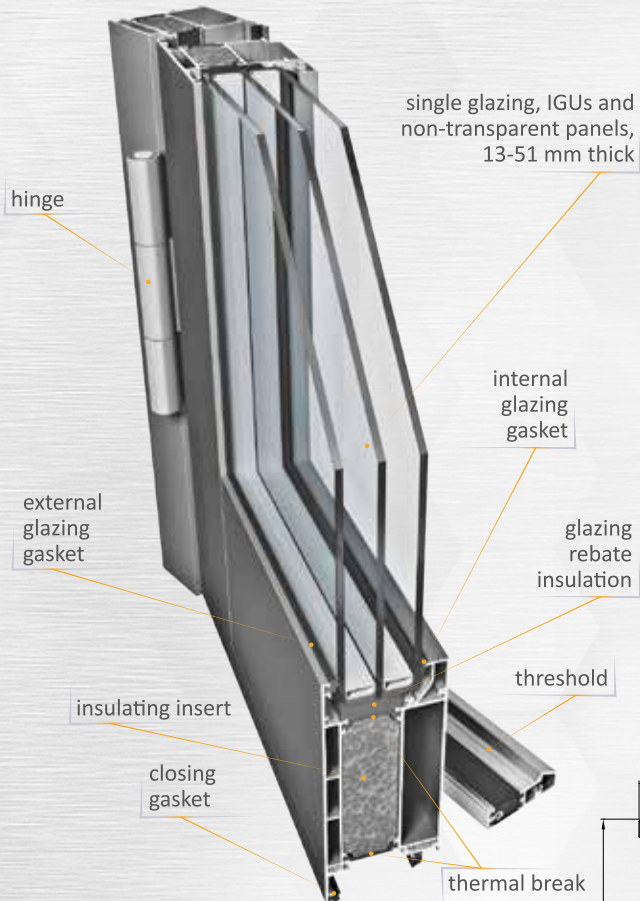
*reference construction dimensions:
L 1480 x H 2180 mm, $U_g = 0.5 \text{ W/m}^2\text{K}$,
triple glazing

A variant of the PE68 insulated aluminium profile system with the Euro hardware groove as well as the PVC hardware groove in window sash profiles.

- » this variant is characterised by improved thermal performance due to the special insulation inserts used
- » the PE68HI variant features glazing rebate and profile cavity inserts resulting in U_f values as low as 1.4 W/m²K

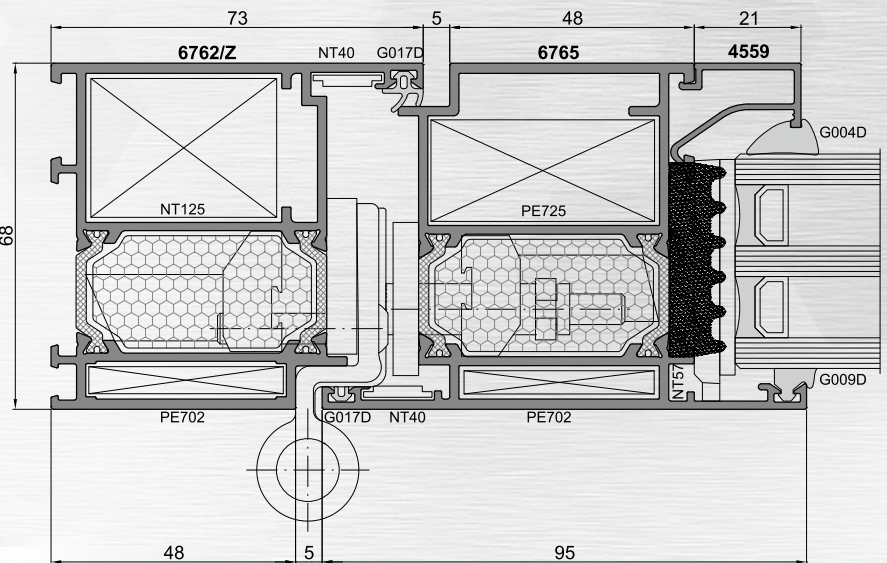
EXTERNAL WINDOWS AND DOORS

Ponzio PE68/PE68HI DOORS



$$U_d = 1.06 \text{ W/m}^2\text{K}$$

*reference construction dimensions:
L 1230 x H 2180 mm, $U_g = 0.5 \text{ W/m}^2\text{K}$,
triple glazing



Technical parameters

| | |
|--------------------------------|--|
| Filling thickness | 13 - 51 mm |
| Frame and leaf depth | 68 mm |
| Maximum leaf dimensions | L 1350 x H 2500 mm |
| Maximum leaf weight | 210 kg |
| Air permeability | class 3 |
| Watertightness | class 8A |
| Thermal insulation | PE68: U_f from 2.1 $\text{W/m}^2\text{K}$ PE68HI: U_f from 1.8 $\text{W/m}^2\text{K}$ |
| Thermal insulation | PE68: U_d from 1.13 $\text{W/m}^2\text{K}$ PE68HI: U_d from 1.06 $\text{W/m}^2\text{K}$ |
| Resistance to wind load | class C2/B3 |
| Resistance to burglary | class RC2, RC3 in acc. with PN - EN 1627 |
| Certification | ITT in acc. with PN - EN 14351-1 + A1 |

An insulated, three-cavity profile system designed for the construction of doors.

- › coplanar construction (frame-leaf gap - 18 mm)
- › Euro groove glazing beads
- › profiled 24 mm thermal breaks
- › doors easily incorporated in window sets due to special modifier profiles
- › DGUs and TGUs up to 51 mm thick can be used
- › door leaves flush with the frame
- › large-dimension constructions possible
- › wide variety of corner joint solutions
- › profile bending available
- › wide range of available hardware
- › different thermal insulation variants with different insulation inserts: PE68+, PE68HI