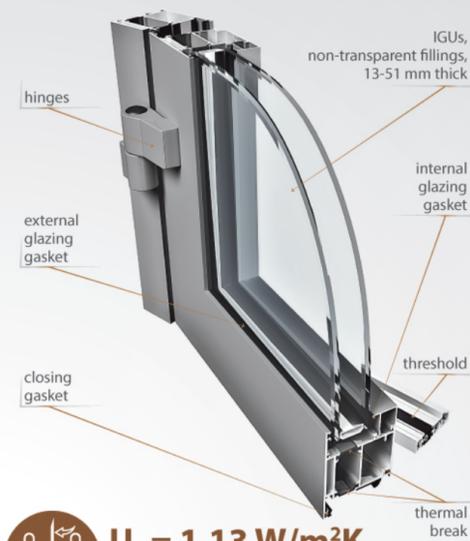
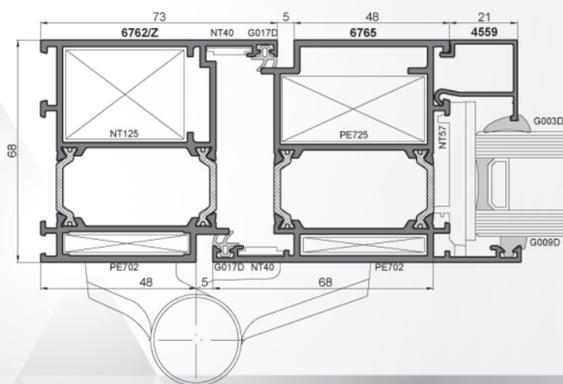


# DOORS

## PONZIO PE68



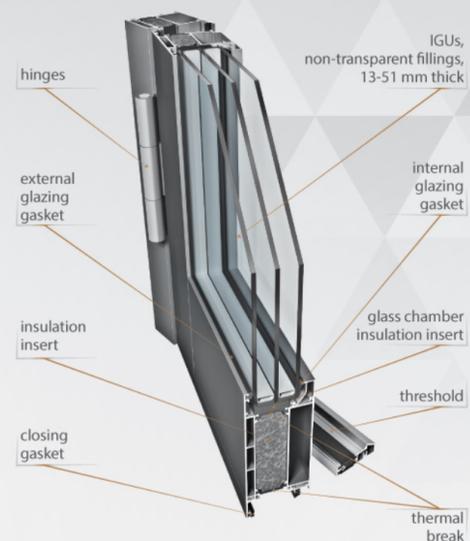
$U_d = 1.13 \text{ W/m}^2\text{K}$   
 \*calculated for W 1230 x H 2180 mm door and  $U_g = 0.5 \text{ W/m}^2\text{K}$ , triple glazed unit  
 $U_d = 1.48 \text{ W/m}^2\text{K}$   
 $U_g = 1.0 \text{ W/m}^2\text{K}$ , double glazed unit



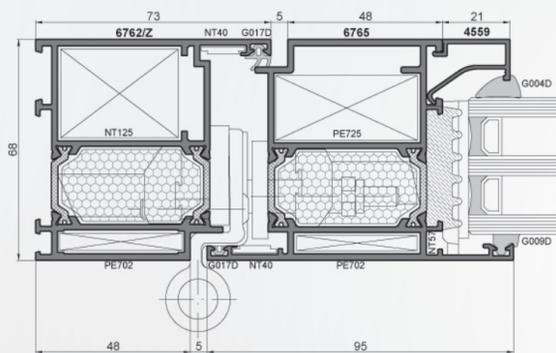
- three cavity profiles system with very good insulation properties
- coplanar doors available (18 mm groove clearance)
- same glazing beads for doors and windows
- 24 mm thermal breaks
- door frame profiles depth is 68 mm, door leaf profiles depth is 68 mm
- three cavity design provides profiles with high stiffness allowing the creation of large dimension constructions
- door leaf flush with frame
- profiles designed to enable easy connection between doors and windows
- wide variety of corner connections
- arched constructions possible
- PE68+ and PE68HI system variants depending on used insulation inserts
- wide range of hardware

# DOORS

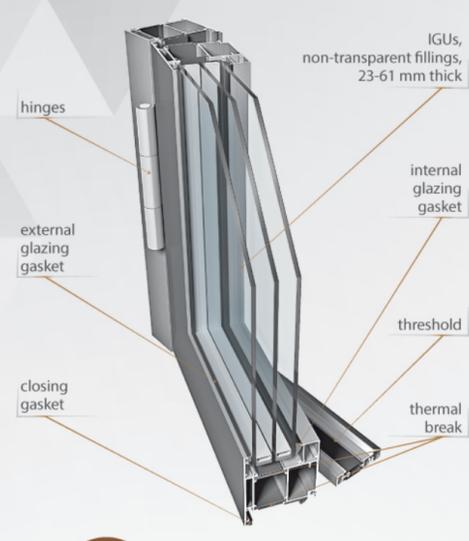
## PONZIO PE68HI



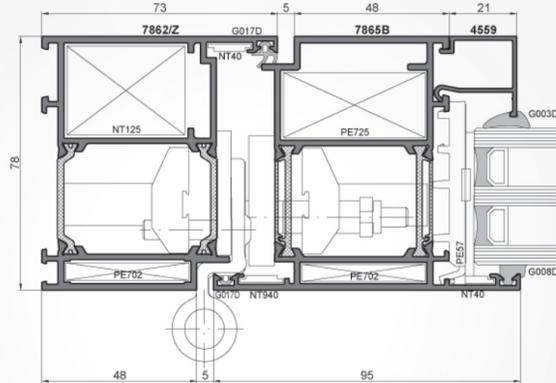
$U_d = 1.06 \text{ W/m}^2\text{K}$   
 \*calculated for W 1230 x H 2180 mm door and  $U_g = 0.5 \text{ W/m}^2\text{K}$ , triple glazed unit



## PONZIO PE78N

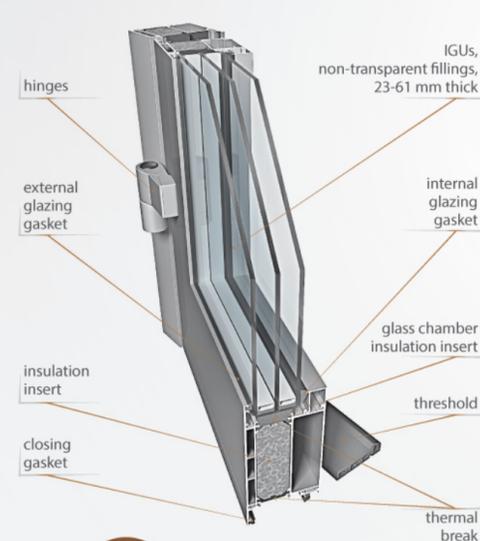


$U_d = 1.10 \text{ W/m}^2\text{K}$   
 \*calculated for W 1230 x H 2180 mm door and  $U_g = 0.5 \text{ W/m}^2\text{K}$ , triple glazed unit

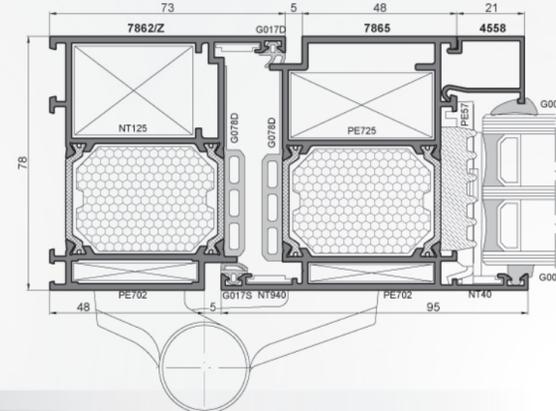


- three cavity profiles system with very good insulation properties
- coplanar doors available (18 mm groove clearance)
- same glazing beads for doors and windows
- 34 mm thermal breaks
- door frame profiles depth is 78 mm, door leaf profiles depth is 78 mm
- three cavity design provides profiles with high stiffness allowing the creation of large dimension constructions
- door leaf flush with frame
- profiles designed to enable easy connection between doors and windows
- wide variety of corner connections
- arched constructions possible
- PE78N+, PE78NHI and PE78NHI+ system variants depending on used insulation inserts
- wide range of hardware

## PONZIO PE78NHI

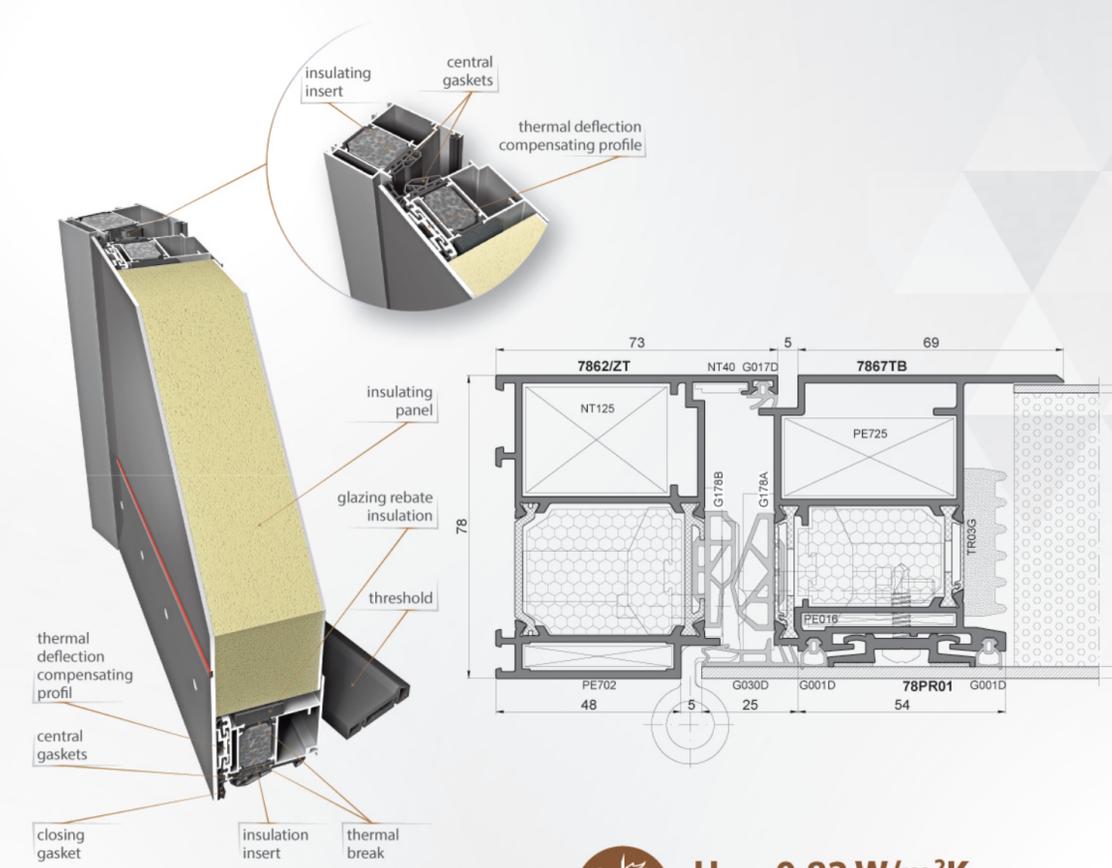


$U_d = 0.93 \text{ W/m}^2\text{K}$   
 \*calculated for W 1230 x H 2180 mm door and  $U_g = 0.5 \text{ W/m}^2\text{K}$ , triple glazed unit



# PANEL DOORS

## PONZIO PE78NHI FLOATING PANEL DOORS

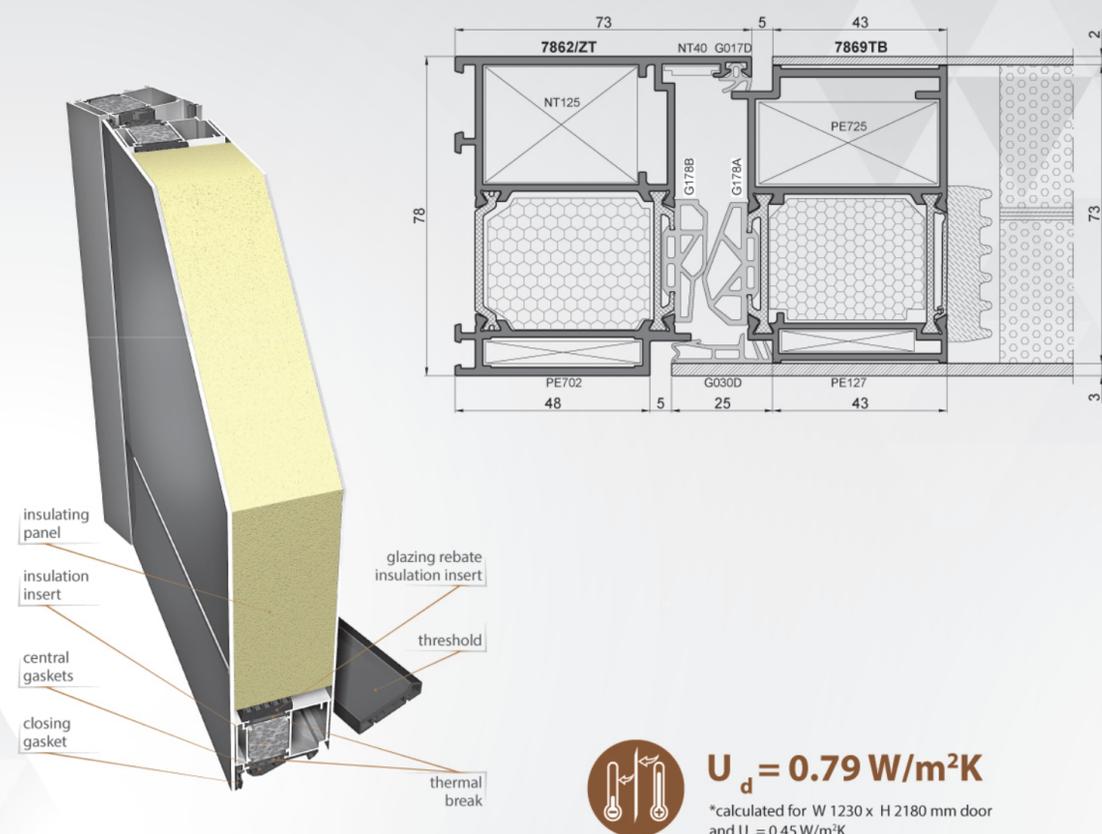


$U_d = 0.82 \text{ W/m}^2\text{K}$   
 \*calculated for W 1230 x H 2180 mm door and  $U_g = 0.5 \text{ W/m}^2\text{K}$ , triple glazed unit

- construction of panel doors is based on Ponzio PE78N and Ponzio PE68 systems
- surfaces of door leaf without visual interruptions on both sides
- door leaf is aligned with door frame
- system wzbogacony o dodatkowe uszczelki centralne, dzięki którym osiąga jeszcze lepsze parametry izolacyjności termicznej  $U_d$
- reduced thermal stress deflection
- exceptional thermal performance due to the floating panel mounted to the internal wall of the three cavity profiles
- dekoracyjne wykończenie zależy od rodzaju wybranego panelu
- lekka i sztywna konstrukcja drzwi oraz bogata paleta wzorów paneli sprawiają, że rozwiązanie - ze względu na swój indywidualny charakter - wpisuje się w ciekawy sposób zwłaszcza w architekturę domów jednorodzinnych
- możliwość zastosowania zawiasów: nawierzchniowych, ukrytych oraz rolkowych
- produkt można wyposażyć w systemy wspomagające użytkowanie, takie jak: czytnik linii papilarnych, klawiatury kodowe, specjalne systemy otwierania i zamykania i wiele innych

# PANEL DOORS

## PONZIO PE78NHI DOORS WITH CENTRAL SEALING



**$U_d = 0.79 \text{ W/m}^2\text{K}$**

\*calculated for W 1230 x H 2180 mm door and  $U_p = 0.45 \text{ W/m}^2\text{K}$

- construction of panel doors based on Ponzio PE78N and Ponzio PE68 systems
- bespoke system design allowing a smooth door leaf surface on both sides
- door leaf flush with frame
- improved thermal performance due to added central gaskets
- wide range of possible door designs depending on used panel
- light and stiff framing combined with decorative panel result in a unique door design, making the system an interesting alternative for entrance doors in private housing
- available hinge types: surface hinges, concealed hinges, roller hinges
- end product can be equipped with special access control equipment, e.g. fingerprint scanners, coded keypads, opening and closing systems etc.

## TECHNICAL PARAMETERS

SYSTEM	Frame thickness (mm)	Sash/leaf thickness (mm)	Max. dimensions of sash (mm)	Max. weight of sash (kg)	Glass thickness range (mm)	$U_f$ (W/m <sup>2</sup> K)	$U_d$ (W/m <sup>2</sup> K)	Air permeability (class)	Watertightness (class)	Resistance to wind load (class)	Approvals, Certificates
PONZIO PE68 standard	68	68	W: 1350 H: 2500	210	sash: 13-51	2.2	1.13	3	8A	C2/B3	ITT in acc. with PN-EN 14351-1 + A1
PONZIO PE68HI high thermal insulation	68	68	W: 1350 H: 2500	210	sash: 13-51	2.0	1.06	3	8A	C2/B3	ITT in acc. with PN-EN 14351-1 + A1
PONZIO PE78N standard	78	78	W: 1400 H: 3000	210	sash: 23-61	2.1	1.10	3	9A	C2/B3	ITT in acc. with PN-EN 14351-1 + A1
PONZIO PE78NHI high thermal insulation	78	78	W: 1400 H: 3000	210	sash: 23-61	1.6	0.93	3	9A	C2/B3	ITT in acc. with PN-EN 14351-1 + A1
PONZIO PE78NHI floating panel doors	78	78	W: 1400 H: 2500	210	panel: 30-78	1.7	0.82	3	9A	C3	ITT in acc. with PN-EN 14351-1 + A1
PONZIO PE78NHI doors with central sealing	78	78	W: 1400 H: 2500	210	panel: 30-78	1.7	0.79	3	9A	C3	ITT in acc. with PN-EN 14351-1 + A1

Heat transfer coefficient  $U_d$  calculated for W 1230 x H 2180 mm door,  $U_p = 0.5 \text{ W/m}^2\text{K}$ , spacer: SWISSPACERV - psi = 0.034 W/mK for triple glazed unit and psi = 0.039 W/mK for double glazed unit or  $U_p = 0.45 \text{ W/m}^2\text{K}$

www.ponziogroup.com

# Ponzio®



## ALUMINIUM SYSTEMS

# DOORS EXTERNAL