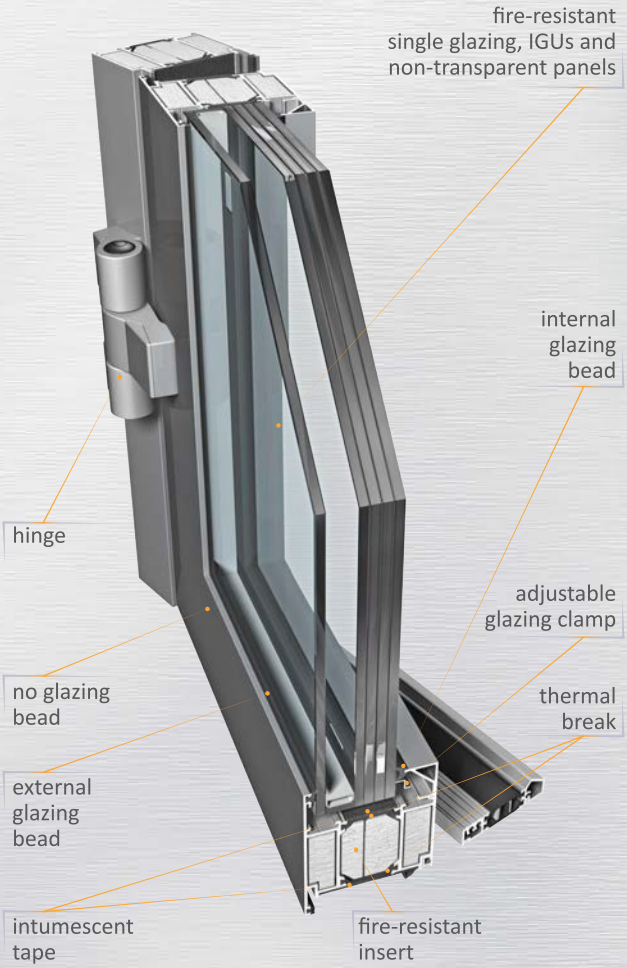
# Ponzio PE78EI

EI15, EI30, EI45, EI60, EI90, EI120



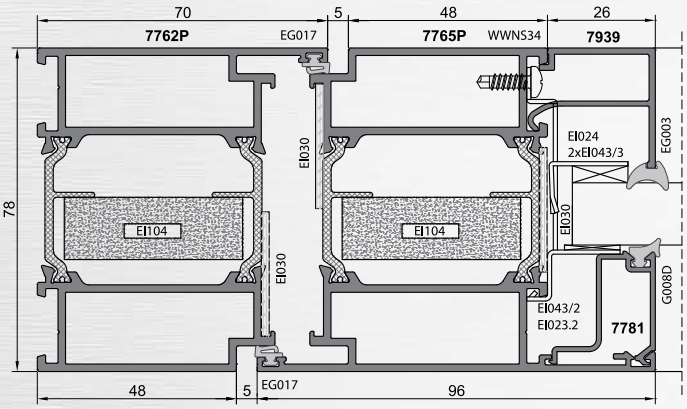
An insulated profile system designed for the construction of internal and external fire-resistant joinery.

- *profiles with special fire-resistant inserts, selection depending on the fire resistance class of the joinery: EI15, EI30, EI45, EI60, EI90, EI120*
- *single and double, inward and outward opening doors with several different threshold and leaf solutions (class EI15-EI90) as well as partitions up to 4000 mm high available*
- *35 and 46 mm thermal breaks ensuring good thermal insulation*
- *easy hardware and accessories installation shortens construction time*
- *large-dimension constructions available*
- *Design Line system variant (glazing with beads on only one side)*
  *- glazing and profiles form a nearly flush surface*
  *- decreased production and assembly time compared to systems with glazing beads on both sides*
- *interconnected with other Ponzio systems*
- *smoke control doors available*
- *arched constructions available*
- *internal and external doors for emergency exits and routes available*
- *class RC2, RC2N, RC3 burglary resistant doors available*
- *three types of fire-resistant inserts: gypsum, aluminosilicate and poured*

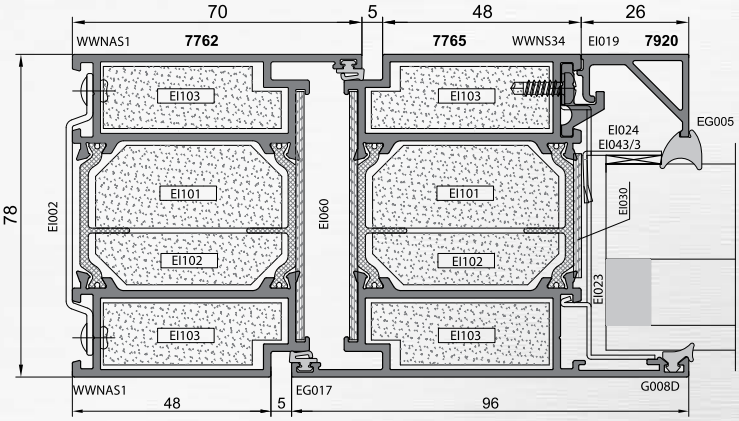
# Ponzio PE78EI

EI15, EI30, EI45, EI60, EI90, EI120

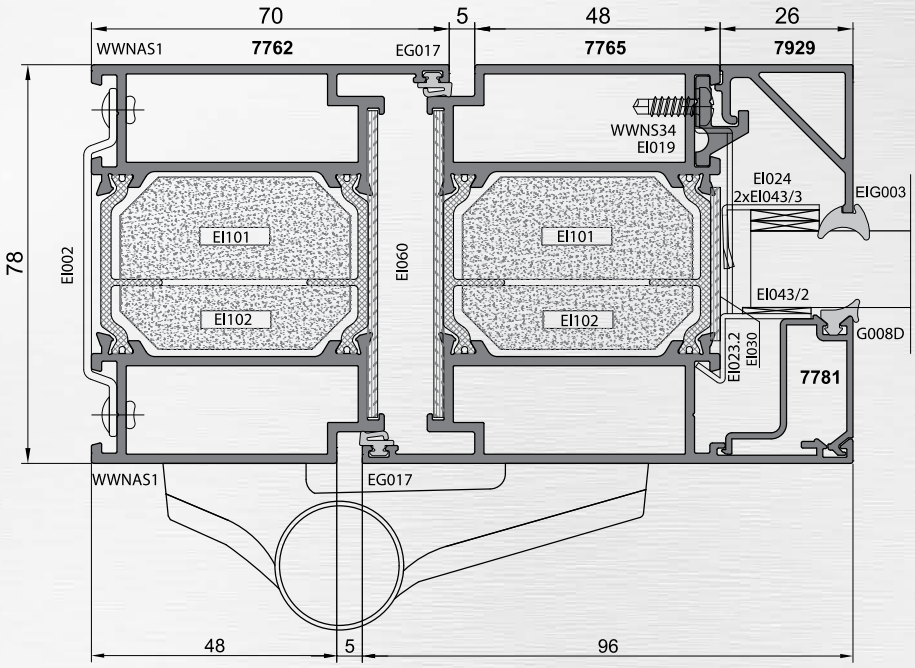
### Class EI30 Design Line, economy version




### Class EI60 Design Line




### Class EI30




## Technical parameters

| | |
|---|---|
| **Filling thickness** | *14 - 62 mm (52 - 73 mm for EI120)* |
| **Frame and leaf depth** | *78 mm (89 mm for EI120)* |
| **Type of filling** | *fire-resistant single glazing, IGUs: EN1279-1, EN 1279-5 non-transparent panels: in acc. with the Technical Approval or the National Technical Assessment* |
| **Gaskets** | *EPDM, in acc. with EN 12365-1* |
| **Smoke control** | *class $S_a$ and $S_{200}$ in acc. with EN 13501-2* |
| **Sound reduction** | *$R_{A1}$ – 35 dB, $R_{A2}$ – 35 dB, $R_W$ – 37 dB (for EI120 $R_{A1}$ – 40 dB, $R_{A2}$ – 38 dB, $R_W$ – 41 dB) - 17 mm fire-resistant single glazing* |
| **Fire resistance classification** | *EI15, EW30, EI30, EI45, EI60, EI90, EI120* |
| **Certification** | *Classification Reports for external doors, certified in acc. with EN 16034 and EN 14351-1+A2* |
| **National Technical Assessment** | *1. ITB-KOT-2017/0351 - "PONZIO PE78EI internal fire-resistant and/or smoke control doors, internal fire-resistant windows and internal and external fire-resistant partition kit using aluminium profiles with thermal breaks"*<br>*2. ITB-KOT-2018/0529 - "PONZIO PE78EI internal fire-resistant full-glass partition kit using aluminium profiles with thermal breaks"* |