FIRE-RESISTANT SYSTEMS

Ponzio PE78EI
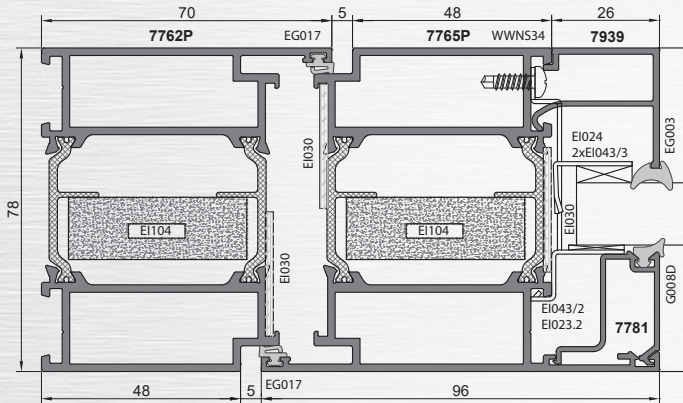### EI15, EI30, EI45, EI60, EI90, EI120

fire-resistant
single glazing, IGUs and
non-transparent panels

internal
glazing
bead

hinge

adjustable
glazing clamp

no glazing
bead

thermal
break

external
glazing
bead

intumescent
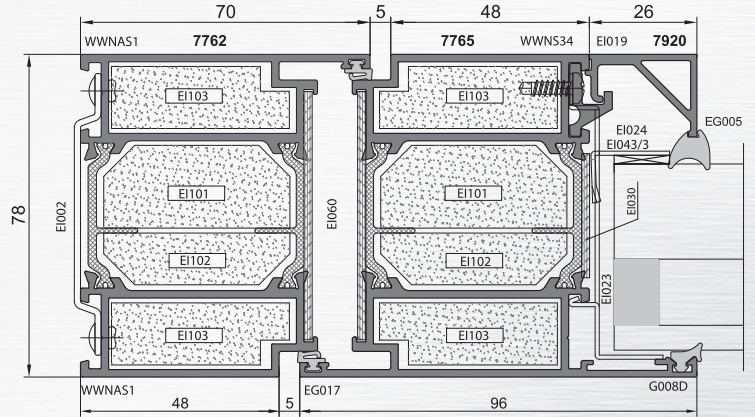tape

fire-resistant
insert

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*
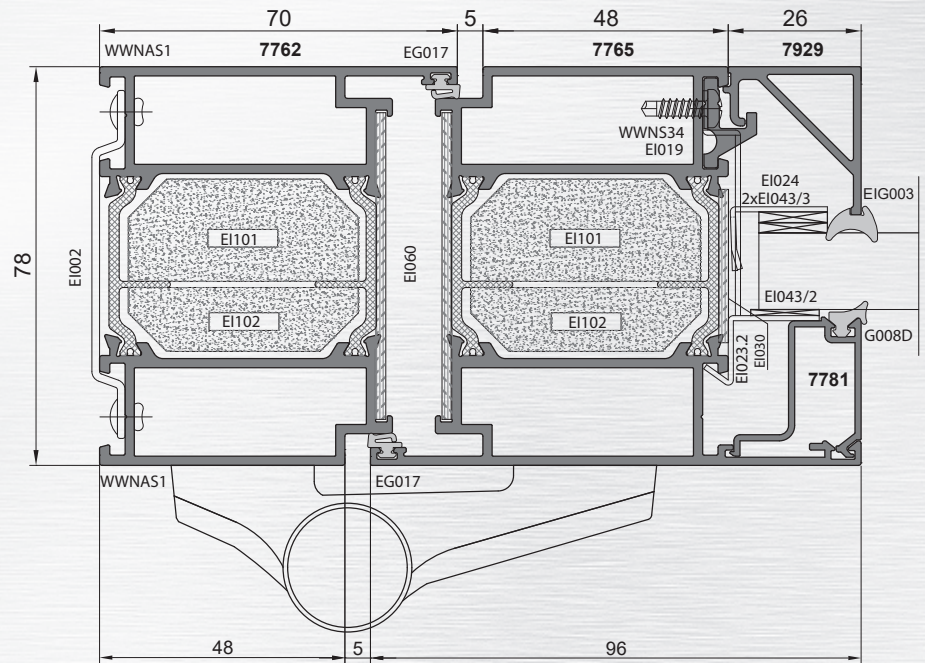
Class EI30 Design Line, economy version

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"* *2. ITB-KOT-2018/0529 - "PONZIO PE78EI internal fire-resistant full-glass partition kit using aluminium profiles with thermal breaks"*