

# The multifunctional profile system of the future

**for doors and glazing**

Energy efficiency + safety + sustainability

Fire protection EI30

Burglary resistance RC2-3

Bullet proof FB4 NS

100 % steel

**forsteromnia**



## Energy efficiency and multifunctional safety

**VERSATILE, DURABLE, SAFE.** You can design doors and glazing with excellent heat insulation, using a single profile system. If necessary, you can supplement your element with safety functions such as fire protection, burglary-resistance and bullet-resistance. The unique patented design enables tailored modular solutions for external application.

Less planning effort, less storage material, uniform designs for the whole building.

Planning with only one profile system reduces the complexity considerably. For production, the manageable range of products minimises storage cost and allows uncomplicated processing.

The slender forster omnia profiles made of 100 % steel without additional plastic or GRP (glass-fibre reinforced plastic) insulators are especially long-lasting, sustainable and environmentally-friendly, because they are fully recyclable.

In omnia paratus\*

\*prepared in all things

### Technical details

Material options	Steel ZM 90   Planned: stainless steel
Performance specifications*	Sound insulation up to $R_w$ 48 dB, depending on the glass
System properties	100% steel, 100% recyclable   Construction depth 85 mm   Body measurements 20 mm / 30 mm / 50 mm   Filling elements up to 69.5 mm

### Doors

Performance specifications*	Standard door from $U_D$ 0.8 W/(m <sup>2</sup> ·K)   Fire-resistant door EI30 from $U_D$ 1.0 W/(m <sup>2</sup> ·K) Fire protection EI <sub>30</sub> / C5 / S <sub>200</sub> (EN 16034)   Burglary-resistance RC2 / RC3   Metal doors, panels, frame enlargements   Bullet proof up to FB4 without additional plug-in modules
Dimensions	Clear passage single leaf: 1360 × 2691 mm (W×H), panel size 1400 × 2699 mm (W×H)   Clear passage double leaf: 2670 × 2691 mm (W×H), panel size 1365 × 2699 mm (W×H)
System properties	Quick integration of fittings (clamped, screwed or welded) Possible conversion of doors due to simple wiring and exchangeable locking systems (electrification, change of tenant)

### Glazing

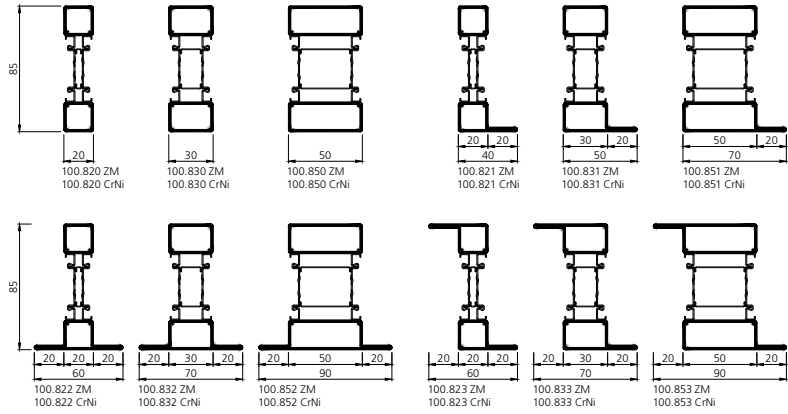
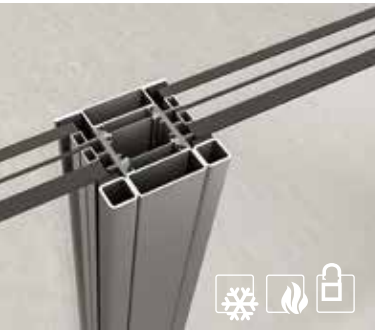
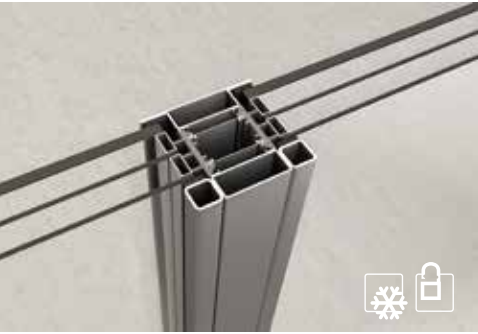
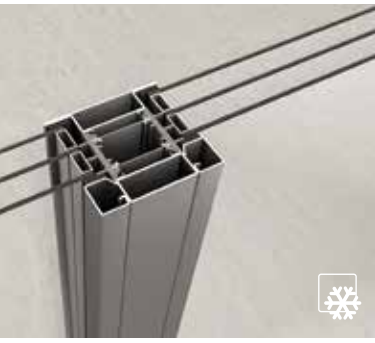
Performance specifications*	$U_w$ -value from 0.72 W/(m <sup>2</sup> ·K) with triple insulating glass $U_g$ 0.5 W/(m <sup>2</sup> ·K), for a standard measurement of 1230 × 1480 mm (W×H)   $U$ , 1.2 W/(m <sup>2</sup> ·K) Fire protection EI30 (EN 1364)   Burglary-resistance RC2 / RC3   Bullet proof up to FB4 without additional plug-in modules
Dimensions	Height : 5000 mm   Width: infinite

\*refer to country-specific approvals



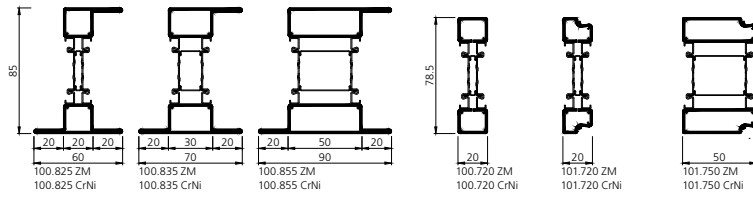
# The forster omnia system profiles

Body measurements in 20 mm, 30 mm and 50 mm.



base profiles

sheet metal door, frame enlargement



door profiles, frame and leaf

