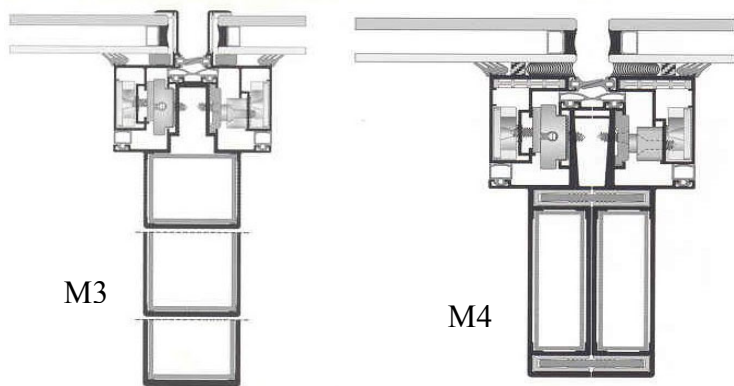


## ALUMIL M3 Solar Semistructural

### **M3 SOLAR SEMI-STRUCTURAL & M4 SOLAR STRUCTURAL** *Product lines for structural curtainwall construction in four different versions:*



M3 is distinguished by the presence of a 14mm frame in the exterior perimeter of the glazing panels, and is available in both a plain and a thermal-braking sash version. M4 is distinguished by the total absence of aluminium in the exterior perimeter of the glazing panels, and is also available in both a plain and a thermal-braking sash version.

#### Basic characteristics:

- ✓ Structural curtainwall product line
- ✓ 55mm column and transom width
- ✓ Three-level sealing, using EPDM gaskets
- ✓ Option of plain or thermal-braking glazing sashes
- ✓ Option of constructing hopper windows and main entrances completely integrated in the façade (using a step sash from M15000 Prestige)
- ✓ Excellent sealing and water outflow provision
- ✓ Specially designed profiles for angular constructions

#### TECHNICAL SPECIFICATIONS OF PROFILES

Aluminum alloy	AlMgSi (EN AW 6060)
Hardness	12 Webster or 70 HB minimum
Minimum Powder Coating Thickness	75µm minimum
Profile thickness (min-max)	1,8 – 5,0 mm
Profile Geometry Control	EN DIN 12020-2 Compliant

#### TECHNICAL SPECIFICATIONS OF SYSTEM TYPOLOGIES

Basic column and transom width	55 mm
Maximum Moment of Inertia sustained (without metallic beam support)	Up to 493,37 cm <sup>4</sup>
Glazing supported	Single, double or triple, from 6 up to 32 mm
Sealing	Three-level sealing, using EPDM gaskets

#### Certifications:

- ✓ The design, the production process, and the quality control of all profiles produced by Alumil are certified with ISO 9001.
- ✓ The process of electrostatic powder coating is certified by QUALICOAT and RAL (GSB) in all plants operated by Alumil.