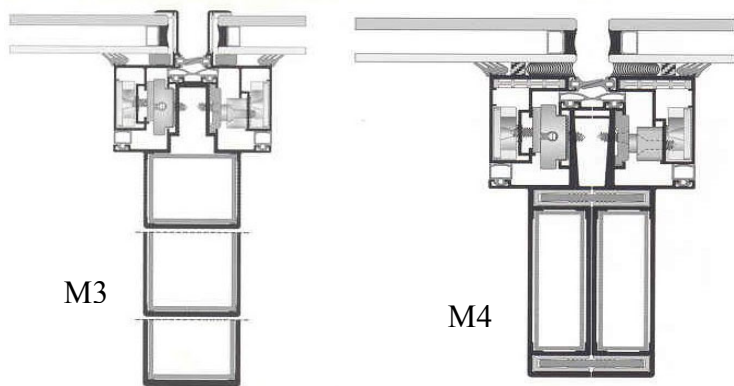


ALUMIL M3 Solar Semistructural

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 ⁴
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.