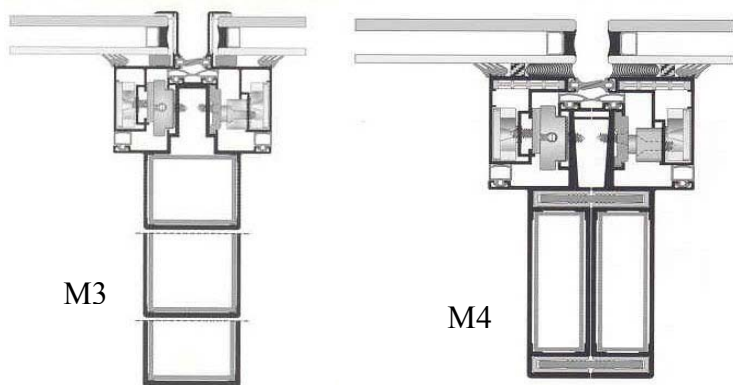


Alumil M3 Solar Semistructural

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
- ✓ Excellent sealing and water outflow provision
- ✓ Specially designed profiles for angular constructions

TECHNICAL SPECIFICATIONS OF PROFILES

Aluminum alloy	AlMgSi0.5 F22 6060 (DIN 1725)
Hardness	12-14 HB
Minimum Powder Coating Thickness	0,75 mm
Profile thickness (min-max)	1,8 – 5,0 mm
Profile Geometry Control	DIN 17615 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
Thermal-brake	Mechanical, with PA 6.6 fiber enforced polyamide at 15mm in glazing sashes

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 GSB in all plants operated by Alumil.