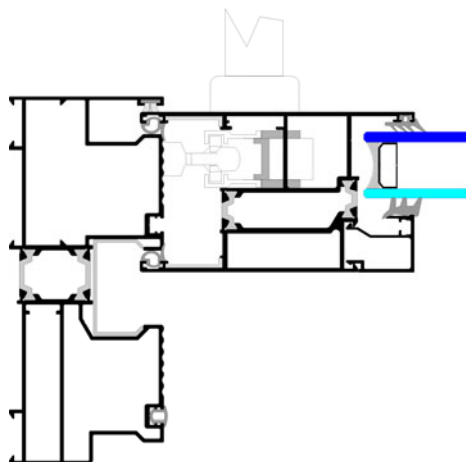


ALUMIL M300 Falcon

Thermal-brake product line for “lift-and-slide” frames, with EPDM gasket sealing and mechanical properties that support constructions in very large dimensions.



Basic characteristics:

- ✓ 62,5 mm sash width
- ✓ “Lift-and-slide” motion by German heavy-load mechanism
- ✓ Thermal-break classification Gruppe 2.3 (DIN52619-3, $U_R = 3,8 \text{ W/m}^2\text{K}$)
- ✓ Sliding with steel rollers on inox driver
- ✓ Sealing with EPDM gaskets in interlocking typologies, and both EPDM gaskets and brushes in fusible typologies.
- ✓ Ideal for frames in very large dimensions
- ✓ Multiple point lock, with backset application inside the frame’s sliding guide.
- ✓ Glazing installation as in conventional “tilt-and-turn” systems (with a glazing bead)
- ✓ Option of constructing “side-to-side” typology in a 90° angle

TECHNICAL SPECIFICATION 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)	1,5 – 1,8 mm
Profile Geometry Control	EN DIN 12020-2 Compliant
Thermal-break	Mechanical, with PA 6.6 fiber enforced polyamide at 19mm in frames and 14mm in sashes

TECHNICAL SPECIFICATIONS OF SYSTEM TYPOLOGIES	
Width for basic frame / sash	62,5 / 84,5 mm
Sliding	Steel rollers on inox guide
Glazing types	Single, double or triple, up to 50 mm
Maximum glazing weight	250 kg per sash
Sealing	EPDM gaskets applied in 2 levels

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.
- ✓ The M300 Falcon Alutherm product line is certified by Etc Laboratories (USA), having passed all tests on air and water impermeability, mechanical stress, and forced entry resistance.