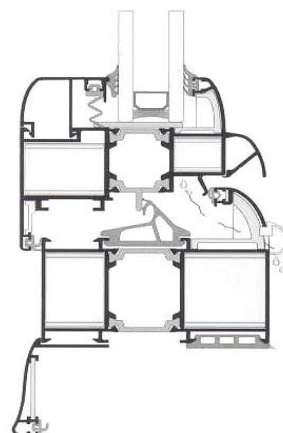


ALUMIL M11000 Alutherm Plus

*Thermal-break system for “tilt-and-turn” frames,
certified by IFT Rosenheim*

Basic characteristics:

- ✓ Basic sash width 62,5 mm
- ✓ Thermal-break classification Gruppe 2.1
- ✓ Contains specially designed profiles for doors of all sizes, ideally suitable for commercial and residential applications, as well as replacement windows.
- ✓ Excellent sound insulation (up to 52 dB)
- ✓ Carrying a special system for impermeability (“ALUSEAL”), which is supported by 3 levels of EPDM gaskets.
- ✓ Fiber-enforced PA 6.6 polyamide (24 mm) for increased thermal-break, reaching the highest thermal break category (GROUP 2,1 K=2,5), according to certification issued by IFT ROSENHEIM.
- ✓ Larger ventilation and drainage channel.
- ✓ Profiles with two clear chambers, enhancing connection and water outflow.
- ✓ Large variety of options for the final appearance of a construction (minimal, modern, neo-classic, traditional, inox).
- ✓ Availability of mechanical, crimp, or pin corner connection.
- ✓ Large variety of construction options supported.



TECHNICAL SPECIFICATIONS OF PROFILES	
Aluminum alloy	AlMgSi 0.5 F22 6060 (DIN 1725)
Hardness	12-14 HB
Minimum Powder Coating Thickness	0,75 mm
Profile thickness (min-max)	1,4 – 2,0 mm
Profile Geometry Control	DIN 17615 Compliant
Thermal-break	Mechanical, with PA 6.6 fiber enforced polyamide at 20mm in sashes and 24mm in frames
TECHNICAL SPECIFICATIONS OF SYSTEM TYPOLOGIES	
Basic sash width	62,5 mm
Glazing supported	Single, double or triple, up to 57 mm
Maximum glazing weight	130 kg for doors and windows 150 kg for main entrances
Sealing	“ALUSEAL” system, with EPDM gaskets applied in 3 levels

Construction options:

- ✓ One or two-sash doors and windows, with or without shutters.
- ✓ Main entrances with heavy-load hinges, and flat, clear surfaces.
- ✓ Hidden-sash availability, with a 70mm external visible surface.
- ✓ Profiles for angular constructions and other special applications.
- ✓ Perfect cooperation with Alumil’s curtainwall and/or skylight product lines.

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.
- ✓ M11000 ALUTHERM PLUS is certified by the globally-acknowledged German institute IFT ROSENHEIM, scoring the highest category in all tests undertaken (air-water impermeability, dynamic stress, thermal-break).
- ✓ It is also certified by the Aristotle University of Thessaloniki – Polytechnic Faculty, Department of Architecture.