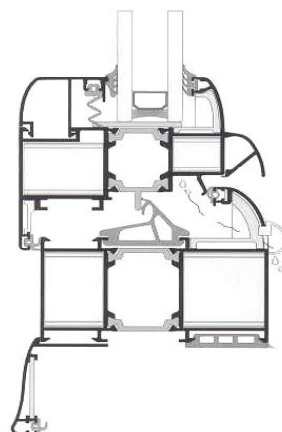


## ALUMIL M11000 Alutherm Plus

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

Basic characteristics:

- ✓ Basic sash width 70 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.
- ✓ Option of using regular “Camera Europea” or PVC-groove mechanisms
- ✓ 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 (EN AW 6060)
Hardness	12 Webster or 70 HB minimum
Minimum Powder Coating Thickness	75µm minimum
Profile thickness (min-max)	1,4 – 2,0 mm
Profile Geometry Control	EN DIN 12020-2 Compliant
Thermal-break	Mechanical, with PA 6.6 fiber enforced polyamide at 20mm in sashes and 24mm in frames
TECHNICAL SPECIFICATIONS OF SYSTEM TYPOLOGIES	
Width for basic frame / sash	62,5 / 70 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.
- ✓ Concealed 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 RAL (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.