



TECHNICAL SYSTEM DESCRIPTION

The Tehnomarket TMH 45 is a non-insulated aluminium system developed for the fabrication of windows, doors, partitions, and glazed screens used in a wide range of architectural and construction applications. With a frame depth of 45 mm, the system offers an efficient balance between functionality, design flexibility, and minimal space requirements, making it particularly suitable for interior environments and exterior applications where thermal insulation is not a primary requirement. The system is distinguished by its modular profile range and versatility, enabling the creation of both simple and highly complex partition layouts, glazed office systems, and large-format interior elements. Its robust profile geometry and dedicated reinforcement solutions allow the construction of sizeable glazed structures while maintaining excellent stability and performance. TMH 45 also supports the fabrication of custom-designed interior doors in combination with premium wood, MDF, and other infill materials, providing architects and designers with extensive freedom in the development of contemporary commercial and residential spaces.

- Aluminium profiles are manufactured in Tehnomarket's own extrusion facility using primary aluminium alloys AA 6060 and AA 6063 (AlMgSi0.5), ensuring consistent quality, structural integrity, and long-term durability.
- Compatible with EURO 1 hardware groove standards
- Supports glazing and infill thicknesses from 3 mm to 30 mm, with UV-resistant EPDM glazing gaskets
- Dual EPDM gasket sealing ensures reliable performance and long-term durability of operable elements
- Corner joints can be assembled using cleated or crimped connections, depending on project requirements
- Single-chamber profile design with optimized geometry enables fast and efficient fabrication
- Available with visible profile widths of 50 mm and 68 mm
- Dedicated parapet profile solution for doors and partitions up to 155 mm in height
- Available with powder coating in all RAL colours or anodized surface finishes