



TECHNICAL SYSTEM DESCRIPTION

The SLIDE T67 system is Tehnomarket's high-performance thermally broken aluminium sliding solution, developed for the fabrication of sliding and lift-and-slide elements ranging from standard dimensions to large glazed openings. Designed for contemporary residential and commercial projects, the system combines advanced thermal performance with exceptional design flexibility, offering a wide range of configurations for sliding windows and balcony doors. Its ability to accommodate expansive glazed surfaces maximizes natural daylight while creating seamless transitions between interior and exterior spaces. The system supports both two-track and three-track configurations, with opening schemes ranging from two to six sliding sashes. An optional external sliding insect screen can be integrated into the system, while 67 mm deep sliding sashes can be equipped with either conventional sliding hardware or advanced lift-and-slide mechanisms for improved weather sealing, effortless operation, and enhanced user comfort. With thermal performance values of up to $U_f = 2.4 \text{ W/m}^2\text{K}$ and $U_w = 1.0 \text{ W/m}^2\text{K}$, SLIDE T67 represents an ideal solution for contemporary architecture and modern energy-efficient buildings.

- 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.
- A 54 mm thermal break in the frame, combined with 32 mm polyamide strips (PA 6.6 reinforced with 25% glass fibres) in the sash, provides excellent thermal insulation while maintaining the structural performance of the system. The shear strength of all thermally broken profiles is continuously monitored and controlled throughout the production process.
- The system is based on a frame profile with a visible width of 106 mm and a sash profile depth of 67 mm, providing an optimal balance between structural capacity and elegant aesthetics.
- Fixed and sliding sashes support glazing configurations and infill panels up to 50 mm in thickness.
- The system is compatible with Giesse hardware solutions, ensuring reliable operation and long-term performance.
- Excellent weather sealing and security are achieved through membrane brush seals in sliding configurations or EPDM gaskets in lift-and-slide applications.
- The system supports up to six sliding sashes with maximum sash dimensions of $2100 \times 2800 \text{ mm}$ and a maximum sash weight of 200 kg.
- An optional sliding insect screen can be installed on a dedicated independent outer track for enhanced user comfort and functionality.