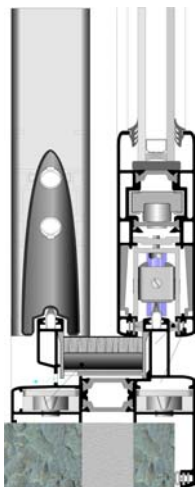


## ALUMIL S300 Deluxe Alutherm

***Thermal-brake product line for sliding frames, with inox steel roller driver and Hi-Fin brush sealing, based on a 38 mm sash***



Basic characteristics:

- ✓ 38 mm sash width
- ✓ Thermal-brake classification Gruppe 2.3 (According to DIN52619-3,  $U_R = 4.0 \text{ W/m}^2\text{K}$ )
- ✓ Inox steel roller driver for easier and smoother sliding (near zero friction)
- ✓ 32 mm heavy-load rollers, made of teflon
- ✓ Glazing sash with built-in handle
- ✓ Sealing with two rows of Hi-Fin membrane brushes
- ✓ Single or multiple point lock, with backset application inside the frame's sliding guide.
- ✓ Option of glazing installation as in conventional "tilt-and-turn" systems, using a sash with a complementary glazing bead.

| TECHNICAL SPECIFICATION OF PROFILES |                                                                                                |
|-------------------------------------|------------------------------------------------------------------------------------------------|
| Aluminum alloy                      | AlMgSi0.5 F22 6060 (DIN 1725)                                                                  |
| Hardness                            | 12-14 HB                                                                                       |
| Minimum Powder Coating Thickness    | 0,75 mm                                                                                        |
| Profile thickness (min-max)         | 1,5 – 1,8 mm                                                                                   |
| Thermal-brake type                  | Mechanical, with PA 6.6 fiber enforced polyamide at 20 and 24mm in sash and frame respectively |
| Profile Geometry Control            | DIN 17615 Compliant                                                                            |

| TECHNICAL SPECIFICATIONS OF SYSTEM TYPOLOGIES |                                                         |
|-----------------------------------------------|---------------------------------------------------------|
| Sash dimensions (Width\Height)                | 38\100 mm                                               |
| Sliding                                       | 32 mm teflon rollers on inox steel guide                |
| Glazing type                                  | Single or double, up to 26 mm                           |
| Maximum glazing weight                        | 200 Kg per sash                                         |
| Sealing                                       | Perimetrical, using two rows of Hi-Fin membrane brushes |

Product Line Construction Options:

- ✓ Interlocking (with or without a fly-screen)
- ✓ Internal Fusible (glazing or glazing with shutter or glazing with shutter and fly-screen)
- ✓ External Fusible (glazing or glazing with shutter or glazing with shutter and fly-screen)

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.