



ALUSMART

your comfort, our passion



ALUMINIUM PROFILES (NON INSULATED)

We spend on average more than 50% of our time inside our homes. A home's window and door frames are a basic part of its overall functionality and aesthetic value, shaping its interior and exterior look.

At **ALUSMART** we partner with **ALUMIL**, one of the world's leading extruders of aluminium profiles, to **passionately** bring you the highest quality in architectural aluminium systems including **double glazed thermally broken and standard aluminium** doors and windows, **aluminium profiles** and **cladding**.

All this is to give you the highest **comfort** through:

- 1. Thermal Performance**, up to 87% heat gain reduction, and up to 40% heat loss reduction;
- 2. Sound Insulation**, up to 60% traffic noise reduction, and up to 50% voice noise reduction;
- 3. Security**, up to 500% more resistant to shock than ordinary glass (double glazed toughen);
- 4. Durability**, up to five times more resistant than uPVC, zero maintenance and infinitely recycled.

HINGED SYSTEMS
SLIDING & LIFT AND SLIDING SYSTEMS

| | NAME | USAGE | CATEGORY | FEATURES | TECHNICAL CHARACTERISTICS | CERTIFICATES |
|--|--|--|-------------------|--|--|---|
| | Smartia 15000 Hinged, Tilt & Turn Windows and Doors | Tilt & Turn Windows and Doors, Awning Windows, Tilt Inwards Windows, Casement Windows, Fixed Panels. | Entry - Mid Level | Robust and flexible system that can support all potential typologies of hinged doors, windows and pivot windows; Supports concealed sash for block window construction. | <ul style="list-style-type: none"> - Visible aluminium face width - 137mm - Frame height - 48mm - Frame width - 50mm - Sash height - 66mm - Sash width - 59mm - Sash weight - up to 130kg - Glazing - up to 47mm | <ul style="list-style-type: none"> - Air permeability EN 1026, EN 12207 - CLASS 4 - Watertightness EN 1027, EN 12208 - CLASS E1050 - Resistance to wind load EN 12210, EN12211 - CLASS C5 - Burglar Resistance EN 1627-1630 |
| | Smartia M14600 Sliding Windows and Doors | Sliding Windows and Doors. | Entry Level | High performance for warmer climates and wind load resistance; Maximises visibility and natural light; Assembled at 45 or 90 degrees; Wide range of topologies; Smooth sliding with inox rails. | <ul style="list-style-type: none"> - Visible aluminium face width - 95,5mm - Frame height - 31.5/40mm - Frame width - 92/143mm - Sash height - 67/79mm - Sash width - 35mm - Interlocking width 23/68.5/80.5mm - Sash weight - up to 180kg - Glazing - up to 25mm | <ul style="list-style-type: none"> - Air permeability EN 12207 - CLASS 4 - Watertightness EN 12208 - CLASS 7A - Resistance to wind load EN 12210 - CLASS C2/B2 |
| | Smartia M45000 Lift Sliding Door | Sliding and Lift Sliding Windows and Doors. | Entry - Mid Level | Modern flat design; Suitable for large span and warmer climate; Only 32mm visible interlocking; Up to 300kg sash; Extra reinforcement for studier constructions; Smooth sliding with inox rails. | <ul style="list-style-type: none"> - Visible aluminium face width - 106/110.5mm - Frame height - 40mm - Frame width - 113.5mm - Sash height - 76/80.5mm - Sash width - 45mm - Interlocking width 32/78.5/83mm - Sash weight - up to 180kg sliding, up to 300kg lift & slide - Glazing - up to 30mm | <ul style="list-style-type: none"> - Air permeability EN 12207 - CLASS 4 - Watertightness EN 12208 - CLASS E900 - Resistance to wind load EN 12210, - CLASS C5/B5 |
| | Smartia M12500 Sliding Windows and Doors | Sliding Windows and Doors with visible sash only at the bottom side. | Mid Level | Minimal sliding frames; Only 32mm visible interlocking; Glass thickness up to 32mm; Up to 300kg sash; Assembled at 45 or 90 degrees; Wide range of topologies; Smooth sliding with inox rails. | <ul style="list-style-type: none"> - Visible aluminium face width - 66,5mm - Frame height - 30.5mm - Frame width - 128 to 212.5mm - Sash height - 75mm - Sash width - 45mm - Interlocking width - 32mm - Sash weight - up to 180kg sliding, up to 300kg lift & slide - Glazing - up to 32mm | <ul style="list-style-type: none"> - Air permeability EN 1026, EN 12207 - CLASS 4 - Watertightness EN 1027, EN 12208 - CLASS 6A - Resistance to wind load EN 12210, EN12211 - CLASS C2/B2 |

