



LET'S BUILD A BETTER FUTURE

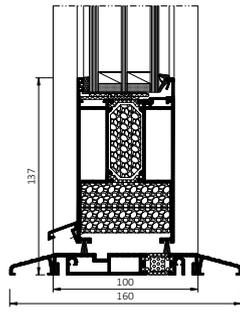
Commercial Doors & Ground Floor Treatment System **MB-100GFT**

The new, thermally broken Ground Floor Treatment system from Aluprof is mainly used for entrances on the ground floor, wherever enhanced thermal insulation and mechanical durability is required. The MB-100GFT will be appreciated by anyone looking for a door & shopfront system with a robust construction that is resistant to repeated and intensive use. The Ground Floor Treatment system is designed for fabricating single and double doors as well as a shopfront system. The key advantages of the system include class leading thermal insulation, simplicity of fabrication, clean aesthetics and safety in use.

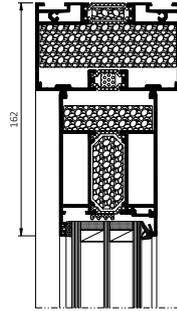
The MB-100GFT doors feature as standard a low-level Part M compliant threshold, a concealed transom closer and an anti finger trap profile option for the hinge side. Doors can be inward, outward or dual action for operating intention. The system is available in two thermal variants which differ in terms of their performance; the basic ST variant and the SI variant which includes enhanced insulation, this is achieved with the inclusion of enhanced thermal inserts. Furthermore the modular construction fabrication process is quick and simple, reducing lead times for delivery and installation.



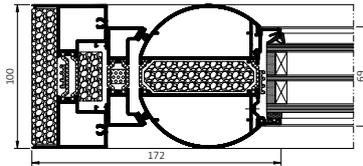
unfailingly even with a 1,000,000+ footfall



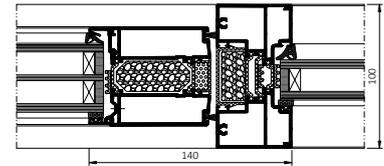
door – Part M compliant threshold



door – Header bar



door – Anti Finger trap stile



door and fixed window
– Door jamb to fixed pane

FEATURES AND AESTHETICS

- Doors can be inward, outward or dual action opening
- Profiles come in two thermal variants: ST or SI – with EPS or polyethylene inserts between thermal breaks
- Low U_f -value thanks to the enhanced and EPS or Polyethylene inserts
- The system can be used with a 1 or 3-point locks or panic hardware
- Shopfronts are segment based and feature starter profiles designed to allow effective drainage and construction levelling.
- Shopfront segments can allow for a snap on profile in conjunction with the dedicated shopfront section or door frame.
- Enhanced designed glazing beads for the doors allow improved security and burglar resistance as per pas24 certification requirements
- Weather seals are available in two variants; industry standard brush strip or a brush strip with integral barrier fin
- Simplified and efficient design to reduce production time for construction
- The MB-100GFT is suited with other Aluprof systems, so common elements can be used
- Possibility of using surface anti-panic fittings

TECHNICAL SPECIFICATION	DOOR	SHOPFRONT
Frame depth	100 mm	100 mm
Casement depth	horizontal profiles are 67 mm, lock profile is 69 mm 100 mm Anti-Finger Trap Profile	—
Glazing thickness	7.5 – 48 mm	27.5 – 32 mm
Max. casement size (W×H)	W to 1150 mm, H to 2500 mm	—
Max. casement weight (kg)	80 kg	—

PERFORMANCE	DOOR	SHOPFRONT
Air permeability	to class 3 (600Pa), EN 12207	class 4 (600Pa), EN 12207
Watertightness	class 3A (100Pa), EN 12208	class E1050, EN 12208
Windload resistance	to class C2/B4/A5, EN 12210	class C3/B4/A5, EN 12210
Resistance to repeated opening and closing	class 8 1 000 000 cycles (in both opening directions), EN 12400	—
Thermal insulation	U_D from 0.96 W/(m ² K)*	U_w from 1.20 W/(m ² K)**

* - for MB-100 GFT SI door, size 1230×2180 mm, with triple glazing U_g 0.5 W/(m²K) and warm spacer

** - for MB-100 GFT SI shopfront, size 1230×1480 mm, with double glazing U_g 1.0 W/(m²K) and warm spacer

