

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.

#### Features & benefits of the construction:

- 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  $U_{f,i}$  -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
- 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

#### TECHNICAL PARAMETERS:

- Air permeability - up to class 3 (600 Pa), EN 12207
- Water tightness - class 3A (100 Pa), EN 12208
- Wind load resistance - doors: up to class C2/B4/A5, EN 12210, shop windows: class C3/B4/A5, EN 12210
- Thermal insulation: door:  $U_D$ ; as low as 0.96 W/(m<sup>2</sup>K), shop window:  $U_W$ ; as low as 1.2 W/(m<sup>2</sup>K)

