

The MB-45 OFFICE system of fixed partition walls or walls accommodating doors is intended for building internal partitions, in which tempered safety glass panel or aluminium profiles may be used as the load-bearing component. As such structures may be installed in high rooms, they are most often found in shopping centres or office buildings. Apart from fixed development, the system allows for building highly attractive all-glass operable and swing doors, as well as standard doors based on the elements of the MB-45 system. An essential advantage of this system is its modular arrangement, which makes it possible to rearrange the division of space, thus adding it new functions.

#### FEATURES OF THE MB-45 OFFICE SYSTEM:

- The structural depth of profiles is 45 mm, which means that it is identical to the depth of all frame and mullion profiles of the MB-45 system. The MB-45 OFFICE and MB-45 systems are fully compatible, therefore almost all profiles of both systems may be connected.
- The MB-45 OFFICE system is based on several base sections, which – after screwing on relevant adaptation profiles – may function as the frame of display window, jambs and header of all-glass or profile-based doors, or they may be used as a rail or a mullion.
- The MB-45 OFFICE system may be applied in combination with the MB-EXPO system.
- Symmetric or asymmetric arrangement may be applied on account of of glass panel location in relation to the axis of section.
- The system may accommodate various infills and glass panels that may come both as single glass or ICU, of the thickness ranging between 2 and 25 mm, installed with the use of strips and glazing gaskets. Tempered glass panels of particularly large dimensions and 8, 10 or 12 mm thick (for door leaves of the thickness 8 and 10 mm) are dedicated to the system.
- The simplicity of prefabrication and installation reduces the time of fabrication and workings may be carried out directly on the construction site. Most profiles require cutting at the angle of 90° without having to be milled. Joints are made by pinning or screwing profiles with the use of special connecting members..
- Most workings may be performed with the use of a portable saw, drilling templates and hand presses. All elements of tooling required for the MB-45 OFFICE system are presented in the section “Tooling”.
- The interior arrangement may be changed by dismantling connecting elements and their re-installation, altering in this way the angle of development or its functions.
- Maximum height of the development – ca. 4 m. In the case of application of tempered glass panels of large dimensions, the glass should be screwed in profiles which are applied as top rails of the MB-EXPO system.
- The system may accommodate fittings (hinges, lock, closers, etc.) manufactured by Aluprof, GEZE i WSS.
- In order to enhance acoustic insulation, transparent soundstrips filling the gaps between glass panels are used.
- Glazing gaskets may be fitted in a continuous manner, without corner trimming, by joining the gasket ends at mid length of top rails. The closing gasket in glass doors is cut at the angle of 45° and glued in the corners.

In the event of any queries or doubts, ALUPROF S.A. specialists are always ready with their assistance and advice.

