

The MB-EXPO system of fixed partition walls with doors and mobile partition walls is intended for building internal partitions, the core of which is tempered safety glass panel used as the load-bearing component. As such structures may be installed in high rooms and wide and high passageways can be obtained, such structures are most often found in commercial buildings - shopping centres or office buildings. Elements of this system may be used to build fixed glass walls, operable all-glass doors or swing doors and segments of parked doors, i.e. accordion and folding doors. A particular advantage of this system is its universality and possibility of mounting fittings manufactured by many companies.

## FEATURES OF THE MB-EXPO SYSTEM:

- The system comprises two groups of profiles of different heights as seen from the outside or inside: the low ones - 38 mm high and the high ones - 100 mm high (measuring from the floor level).
- Structural depth of the profiles is 33 mm (for profiles 38 mm high) and 35 mm (for profiles 100 mm high).
- The profiles feature fixed depth, irrespective of the glass thickness. Such solution allows for application of one set of base profiles, bolts of the same length and the same kind of front hole plugs. The only change concerns distance glazing gaskets, which come in varying thickness.
- The simplicity of prefabrication and installation allows for carrying out all the works on site.
- Tempered safety glass (ESG) forms the load bearing component. In view of the fact that the system elements may be used to build large-dimension walls, it is recommended to apply glass as suspended assembly, mounted through a clamp in the upper set of profiles. One should be aware that if glass is floormounted, glass panel curling may occur, induced by buckling. Glass panels in mobile segments are installed as a suspended assembly.
- The MB-EXPO system can accommodate tempered safety glass 8, 10 and 12 mm thick.
- Maximum height of development - 4 m, maximum width of mobile segments and door leaves - 1.4 m
- Functional purpose of rooms and space division may be easily changed.
- Possibility of application of different surface finish of decorative profiles on both sides of development (dual colour) and possibility of application of stainless strips.
- Profiles are adapted to accommodate, with working reduced to minimum, fittings (locks, hinges, glass suspension gear for the parking system) manufactured by Aluprof, GEZE and WSS.
- In order to enhance leaf tightness, bottom brush sealing may be applied for profiles 100 mm high.
- Glazing beads are not perceptible on both sides of development.
- Due to the fact that suspended tempered glass panels of large dimensions are applied, the structure of lintels should be resistant and ensure proper conveyance of loads onto the load-bearing structure of the building.

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

