

## MB-45S

Doors with clamp hinges without a thermal barrier

The MB-45S door with clamp hinges without a thermal barrier constitutes a part of the MB-45 door and window system manufactured by ALUPROF S.A. The MB-45S is a modern construction, designed to execute cost-efficient and highly functional doors and partition walls with doors equipped with clamp hinges.

The constructional depth of door profiles equals: 45 mm. The MB-45S system features a very simple and quick prefabrication of products due to eliminating most of labour-consuming mechanical workings. Due to the application of special grooves, construction of profiles enables mounting of different types of hinges, strikers and bolts. The system can accommodate hardware manufactured by renowned companies, such as Dr Hahn, Geze or Wala. Another essential advantage of the system is the possibility of bending profiles, which allows performance of different arches and arched constructions. Working of profile connections, likewise in the MB-45 system, is reduced to minimum thanks to the application of aluminium connecting members and auxiliary accessories provided with the system. Detailed information regarding particular types of connections is contained on subsequent pages of this catalogue. Glass panels or other infills are installed by means of glazing beads and gaskets. The door construction allows application of glazing units of thickness ranging between 2 mm and 26 mm. Glazing, brush and central gaskets are made of EPDM synthetic rubber. External and internal gaskets are fitted as continuous stripping, without corner trimming, by joining gasket ends in mid-length of the upper crossbar of the door frame. Such system of glazing secures perfect tightness of the constructions and considerably reduces the installation time. Each door structure intended to be assembled in external development, must be equipped with efficient ventilation and drainage system, deflecting water from the glass chamber, as well as from the space between the leaf and the frame. Ventilation and drainage holes are protected from the outside with plastic covers.

The MB-45 and MB-45S system, with regard to internal doors and parts of partition walls have been granted a technical approval AT-15-5176/2006. The ITB [Building Research Institute] technical approval contains detailed information regarding the intended use, range and conditions of application for products based on these systems.

