

# MB-60E, MB-60E HI

Cost-effective door system with a thermal break

The MB-60E system is intended for execution of doors with a thermal barrier as well as window sets incorporating a door unit. It allows to obtain a construction featuring good functional properties combined with high technical parameters, ensuring at the same time cost efficiency of production, convenience and shorter time required for door installation, which is of prime importance in the times when so much emphasis is put on economy at each stage of investment realization.

The MB-60E system is a part of a popular and generally appreciated MB-60 door & window system. A characteristic feature of the system is its close compatibility with other door & window systems manufactured by ALUPROF S.A., which enables utilization of common accessories and glazing beads. The construction depths of profiles, featuring 3-chamber construction, equals 60 mm. The surface of leaves is aligned with the door frame both as seen from the outside and inside. The glazing units to be incorporated in the MB-60E system may range from 5 mm to 41 mm. Pre-cut gaskets applied in glass panels installation reduce to a minimum the number of trims and ensure high tightness.

The systems can accommodate standard hardware, locks and hinges, normalized under European standards. Due to properly constructed profiles they can come with surface-mounted locks and bolts, which are quick to fit and easy to replace. The offer also includes a wide variety of thresholds and bottom crosspieces for door leaves. Notwithstanding cost efficiency of the MB-60E solution, its thermal insulation performance in no way gives way to the base system MB-60. Its additional advantage is the possibility of bending profiles, which allows performance of different arches and arched constructions.

The MB-60E system showcases can be made in a version with an improved thermal insulation: MB-60E HI. The improved thermal insulation is obtained by placing special inserts in central chambers of aluminum profiles of window frames and lacings. Owing to a low value of the heat-transfer coefficient, the inserts decrease heat transfer through the construction and simultaneously reduce convection and thermal radiation in them.

