

# MB-59SC Harmonijkowe

Folding door opening outward

The system of folding doors with a thermal barrier presented HERE is a modern construction manufactured by ALUPROF S.A., meeting the expectations and demands of our customers, architects, investors and cooperating companies. The construction of folding doors opening inward may be executed in the following door and window systems: MB-59S, MB-60, MB-70. The MB-59S Casement system, however, allows to execute folding doors opening outward. The constructional depth of profiles depends on the selected system and ranges from 50 mm (door frame), 59 mm (leaf) in the case of the MB-59S and MB-59S Casement to 70 mm and 79 mm respectively in the case of the MB-70 system. The value of overall heat transfer coefficient and acoustic insulation performance depends on the applied aluminium system. Due to a suitable profile construction and application of working templates folding doors feature very easy and time-efficient prefabrication method. Frame and leaf profiles are equipped with moulded grooves of the dimensions suitable to accommodate multipoint security locking hardware and connecting members compliant with the EURO standards. Folding doors come with the hardware of a well-proven manufacturer Roto. The guide track of this hardware may be mounted either on the upper frame profile (top hung) or at the threshold (bottom hung). Particular systems come with different options of thresholds and development alternatives. Profile connection requires minimum working due to the application of supplied aluminum connecting members and additional accessories. Corner joints of "L" type are executed by cutting off frame or leaf profile ends at 45 degree, which are kneaded or pinned and then aluminium cleats inserted into the inner chambers of profiles are glued with two-component adhesive CORALGLUE. Application of glue ensures rigid connection and tightness of the joint, while the cleats guarantee that the connected profiles retain perpendicularity. Crosswise connections of "T" type are performed by pinning crosspieces with inserted cleats and gluing with CORALGLUE® Glazing, closing and central gaskets are made of synthetic rubber - EPDM. Most gaskets are fitted continuously without corner trimming, by joining two ends of the gasket in mid-length of the upper transom bar of the window frame. Such glazing technique ensures perfect tightness to water and air infiltration. Central gaskets are trimmed at 45o angle and glued in the corners or are cut at the right angle and glued to a rubber corner. Each construction in external development must be equipped with an efficient system of water deflection and ventilation from the window pane chamber and the chamber between the leaf and frame. Ventilation and drainage holes are protected from the outside with plastic covers.

