

MB-78EI DPA

AUTOMATIC FIREPROOF SLIDING DOOR SYSTEM

1. Description of construction

The MB-78EI DPA system is used for execution of partitions with integrated automatic single and double sliding doors of fireproof class EI15 or EI30. It is based on the MB-78EI system of fireproof partitions with integrated door, which provides most components, such as main profiles, glazing beads, cooling inserts, expanding tapes, gaskets and most accessories.

The MB-78EI DPA system features the following characteristics:

- Constructional depth of profiles equals 78 mm.
- The system is based on three-chamber aluminium profiles with thermal spacers 34 mm wide.
- Fire-resistant elements are inserted into internal chamber of profiles as well as into the insulating space between profiles. Additional insulating elements and expanding tapes are fitted on external surfaces.
- Fire resistance class EI15 and EI30, in situations of external and internal fire exposure.
- Connection of fixed partition profiles is executed by corner joints of "L" type or crosswise joints of "T" type. Leaf profiles are connected crosswise – "T" type.
- The drive may be mounted onto the system partition or onto the masonry.
- Possibility of applying muntin bars stuck on the surface of the glass.
- Construction fabrication technology is the same as in the MB-78EI system.
- Tooling applied for workings of sliding door comes from the MB-78EI system.

Maximum dimension of partition walls are presented in the MB-78EI catalogue, section "Structural Analysis".

Allowable weight and leaf dimensions are shown in the section "Hardware" of the said catalogue.

Glass panes possible to be applied are the same as in the MB-78EI. A wide range of glazing enables installation of all standard fire-proof glass panes of the class: EI15 and EI30, also when used in any type of glass insulating unit.

Each structure made from elements of the MB-78EI DPA system must have authorization for use in accordance with regulations applicable in the country in which it is mounted. A reference document (e.g. Technical Approval) used by the manufacturer to declare conformity at the stage of marketing a fire protection product strictly defines the range of structures authorized for use in a particular country, including detailed solutions. Only solutions presented herein may be applied in the production of the product. In Poland, the document issued to this end is an ITB Technical Approval (issued by the Building Research Institute)

WARNING:

Any rights to the present publication and rights to utility models included herein are vested in ALUPROF S.A. and are subject to protection pursuant to the regulations on utility models and copyrights protection.

ALUPROF S.A. reserves the right to make alterations and add supplements in view of further development of the system and its continual technical improvement.

The presented publication shall not be reproduced or copied in any way whatsoever without a prior written consent of ALUPROF S.A.

2. TECHNICAL DESCRIPTION OF MATERIALS AND RAW MATERIALS

(See: section 02 of the MB-78EI production catalogue)

2.1. HARDWARE

Hardware should be fastened to door profiles in accordance with the system documentation or documentation of hardware manufacturer. Types of hardware should be adjusted to the deadweight of leaves and their operational load and dimensions. All hardware fitted in the MB-78EI DPA system must have an approval certificate, confirming fitness for use in relevant fire-proof structures, in compliance with regulations applicable in a particular country.

Examples of drives for sliding door, approved for use:

- GEZE Powerdrive PL-F.


















3. ADDITIONAL INFORMATION

(See: section 02 of the MB-78EI production catalogue)

3.1. CATALOGUE UPDATES

The catalogue should be updated by downloading PDF files at <http://www.aluprof.eu/> in the authorized section "Catalogues".

3.2. GRAPHIC SYMBOLS USED IN THE CATALOGUE

	Number		Working
	Remarks		Compatible elements
	Total area [dm ² /m]		Cut
	Decorative area [dm ² /m]		Glue with two-component glue
	Angle of cut [°]		Glue and seal
	Dimensions [mm]		Seal with silicone
	Number of items		Glue
	Material		Perform with the use of: _ _ _ _ _
	Standard		