



fire partitions
doors, partition walls, gates



ASSA ABLOY Mercor Doors

Mercor Doors, part of ASSA ABLOY Group, is a leading manufacturer of security fire-rated and non fire-rated doors, fixed screens, sliding gates and fire curtains in Poland. Our products are customised and certified according to European standards, and are designed to ensure people's security, safety and convenience in residential and commercial buildings. Mercor Doors offers products that meet both safety and design requirements.

All ASSA ABLOY Mercor Doors products are approved (and the fact is documented) for use in construction branch. Our products have successfully passed a series of tests in many European research centres. In our production plant, we have our own laboratory where research and development works are conducted systematically in order to increase permanently the technical parameters of solutions offered in order to meet growing customer expectations.

TABLE OF CONTENTS

Steel doors mcr ALPE EI 30, EI 60, EI 120	4
Steel doors mcr ALPE – variants	6
Profile doors and partitions mcr PROFILE ISO EI 30, EI 60, EI 120	8
Sliding gates mcr TLB EI 60, EI 120	10
Flexible rolling curtains mcr EBR EI 60, EI 120	12
Wooden doors mcr DREW PLUS EI 30, EI 60	14
Wooden doors and dampers mcr DREW AKUSTIK EI 30, EI 60	16
Accessories	18
mcr ALPE – technical data	22
Tests and certificates	25
References	26

Steel doors mcr ALPE – EI 30, EI 60, EI 120



Maximum safety, good noise insulation properties and modern design comprise the basic advantages of fire protection steel doors **mcr ALPE**.

CHARACTERISTICS

- ▶ full range of sizes
- ▶ single or double-leaf version
- ▶ glazings or fire protection ventilation grills mcr Isotrans
- ▶ noise insulation properties R_w up to 37 dB (EI 60)
- ▶ smoke-tight version of Sm and Sa class (self-dropping strip mounted)
- ▶ as standard, a corner door frame is used – it is possible to use internal or embracing one, both door leaves and door frames are made of steel galvanised sheet
- ▶ powder-coated in any colour from the RAL palette – in order to protect steel elements against the corrosion

WE OFFER:

- ▶ steel door leaves finishing as a standard of pre-coated sheet of RAL 7035 colour of the expanded colour palette, e.g. the favourite designers' colours RAL 9006 or RAL 9007; and – for the most demanding – stainless steel doors
- ▶ other colours of the RAL palette are applied as powder paints onto the doors and door frames. This guarantees paint coats of high quality and aesthetics
- ▶ it is possible to fit the doors with a wide range of extra elements, including various types of locks and handles (PVC, stainless steel, anti-panic) or automatic closing

To complement the mcr ALPE steel doors' offer, we propose various types of **fire walls or ceiling dampers**, with their structure based on a suitable type of doors, as well as **mcr ALPE PLUS rebate-free steel** and **mcr ALPE W large-size doors**, available in fire resistance class EI 60 (only in the double-leaf version), solid or glazed, and with maximum height or width of 3.5 m. Available also in smoke-tight version.



Steel doors mcr ALPE – variants

1. Oversize steel doors mcr ALPE W – EI 60



Specially reinforced mcr ALPE W fire doors are designed for large construction openings. They are often used in garages, storehouses, production halls, sport facilities and others.

2. Stainless steel doors mcr ALPE



These doors are usually applied in premises with high demand of aesthetic and / or surface endurance. They are often used in hospitals, medical care facilities, food industry etc.

3. Glazed steel doors mcr ALPE – EI 30, EI 60



Most frequently they are used in office buildings and shopping centres. Various shapes and sizes of glazing are available.

4. Louvered steel doors mcr ALPE Z



They are used as typical doors to trafo stations where day ventilation is necessary. They are also available in fireproof version (at fire, the ventilation grille closes automatically).

Profile doors and partitions mcr PROFILE ISO – EI 30, EI 60, EI 120



Profile fire doors and partitions **mcr PROFILE ISO** are always manufactured upon individual order and customised. We offer any sizes or finishing and accessories variations.

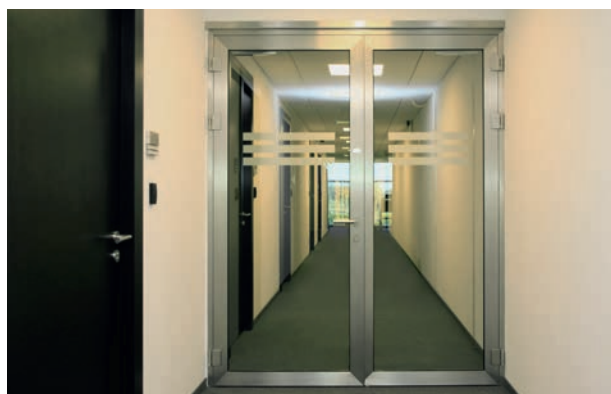
CHARACTERISTICS

- ▶ made of steel profiles
- ▶ fire resistance class: EI 30, EI 60, and in the case of glazed partitions, even EI 120
- ▶ high aesthetics and quality of manufacture, excellent usable parameters of the glass used, including high clearness index (even up to 87%)
- ▶ available in stainless steel (non fire resistant, EI 30)
- ▶ powder-painted to any colour from the RAL palette

The fire partitions and doors are constructed of properly cut and welded steel profiles. This production method makes it possible to obtain all sizes and use various subdivisions: horizontal, vertical, diagonal or arched shaped.

Glazing with fire resistant glass (or, double-glazed as an option) or fitted with an opaque panel. Smoke tightness class Sa and Sm.

Profile fire doors and partitions may be fitted with mcr Isotrans ventilation grills.



Sliding gates mcr TLB – EI 60, EI 120



Sliding gates **mcr TLB** are used mainly in shopping centres, multi-storey car parks, storage houses and other industrial facilities.

CHARACTERISTICS

- ▶ single or double leaf, as well as multi-segment (so-called telescopic ones), also single and double-leaf of
- ▶ maximum gate sizes, large enough to meet the requirements of demanding designers and investors
- ▶ it is possible to fit them with of mcr ALPE type
- ▶ an innovative gate guiding system is used with an electromagnetic closing speed controller, which guarantees long-lasting reliability and safety of using the sliding gates
- ▶ available with pedestrian door

FINISHING OPTIONS:

- ▶ standard surface finishing, identical RAL 7035 (pre-coated sheet)
- ▶ extended colour palette for precoated gates, as well as powder painting for any colour of the RAL palette to meet the customers' aesthetic needs

In this category of fire partitions, our offer covers a wide range of customised gate control automatic elements.



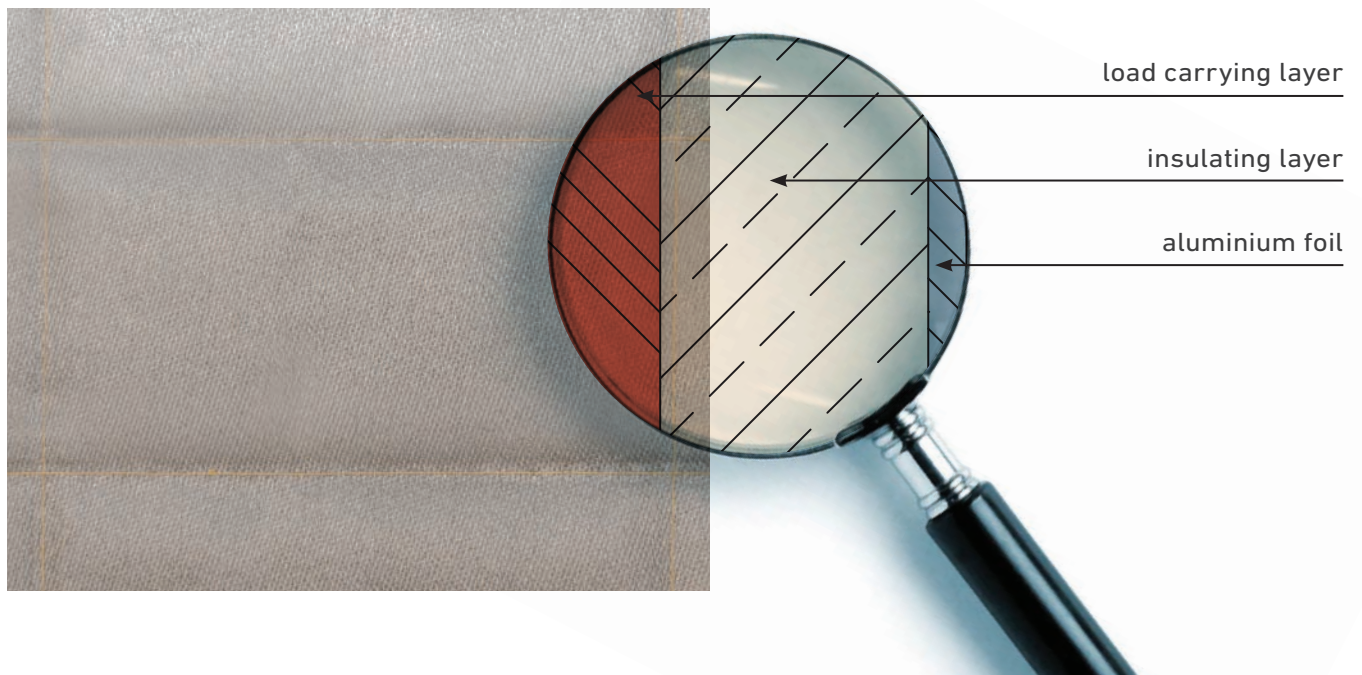
Flexible rolling curtains mcr EBR – EI 60, EI 120



Flexible rolling curtains **mcr EBR** are produced with a special incombustible fabric rolled-up on a rolling shaft. In the case of fire, the curtains roll down automatically and the fire zone is separated. This type of partitions does not require large mounting space and water sprinklers. Thank to its aesthetic casing, it is almost invisible and do not create unnecessary space divisions.

CHARACTERISTICS

- ▶ customised sizes
- ▶ steel sheet casing, painted with any colour of the RAL palette
- ▶ control panel mcr 9705-5A which supervises the curtain operation and co-operates with alarm and fire systems



Wooden doors mcr DREW PLUS – EI 30, EI 60



Doors **mcr DREW PLUS** provide not only guarantee of safety but also posh design and excellent finishing. All adjusted to client's needs.

CHARACTERISTICS

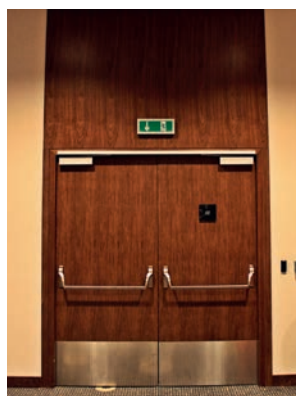
- ▶ noise insulation properties up to 32 dB
- ▶ smoke tightness class Sa and Sm
- ▶ single or double-leaf
- ▶ solid or with fireproof glazing
- ▶ side glazed or full panel partitions available
- ▶ wooden or steel door frame
- ▶ single-leaf door EI 30 available in 2nd class of burglary resistance according to ENV 1627:2006
- ▶ finishing:
 - natural or modified veneer
 - laminate
 - paint coatings

In wooden door, it is possible to use threshold sealing in the form of a self-dropping strip. This solution ensures smoke tightness and improves noise insulation properties.

We paint the doors using a professional painting line in which water-based varnishes, UV-hardened, are used. This ensures higher mechanical resistance of the coat. The varnishes are odourless and environmental friendly.

To enhance door resistance to mechanical damage, we use extra protections in the form of stainless steel kick plates, mounted at the lower part of the leaf or at the handle.

We offer a wide range of customised hinges and hardware to match the designers' and investors' needs.



Wooden doors and dampers mcr DREW AKUSTIK – EI 30, EI 60



Doors **mcr DREW AKUSTIK** have been designed for the applications where both fire resistance and soundproofing are of great importance. Doors of improved noise insulation properties are widely used in hotels, cinemas, theatres, concert halls and conference rooms etc., as well as high-standard office spaces.

CHARACTERISTICS

- ▶ noise insulation properties up to 42 dB
- ▶ in special construction mcr DREW AKUSTIK GT, noise insulation properties even up to 47 dB
- ▶ single or double-leaf
- ▶ wooden or steel door frame
- ▶ finishing:
 - natural or modified veneer
 - laminate
 - paint coatings

The door leaf panel has a layered structure consisting of materials of various densities. Such a structure ensures high noise insulation properties at relatively small thickness.



Accessories

DOOR HANDLES

These handles are permanently present in our offer:



KLS001



KLS002



KLS004



KLS006



KLT001



These are full handles of stainless steel, with high manufacturing standard, suitable for intensive use. For steel doors, we recommend handles on long shields.

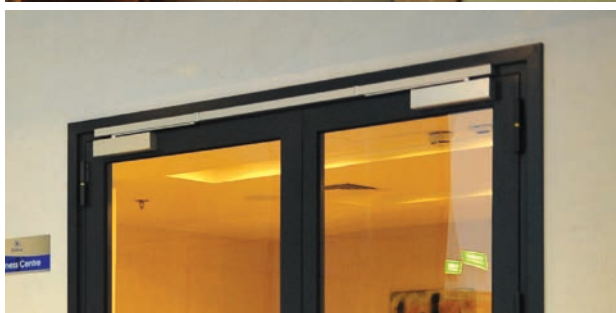
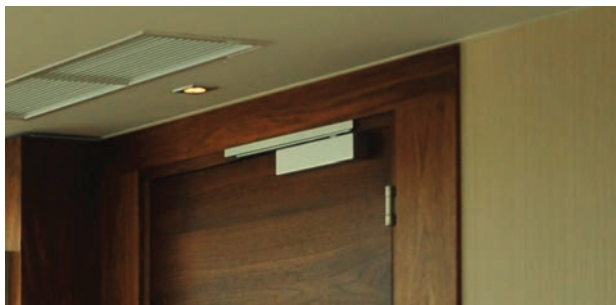
LEVERS

Where fire doors or smoke tight doors play also the evacuation role, anti-panic locks are used with hardware in the form of anti-panic levers or push-bars.



AUTOMATIC CLOSING

Our offer includes rail, arm, floor and mortised automatic closings. Selection of the automatic closing depends on the door leaf width and height (according to EN 1154).



HINGES

Our unique offer includes stainless steel hinges adjustable in three planes, used for steel doors. Such hinges are used for wooden doors as a standard.



Accessories

LOCKS

From the functional and aesthetic point of view, we offer various types of locks: mechanical, anti-panic, electrical ones, as well as hotel locks for magnetic cards. As additional accessories, mortised electric bolts may be used, both standard (NC) ones and reverse (NO) ones.



European standard (DIN).



Scandinavian standard.

VENTILATION GRILL



ROUND GLAZING



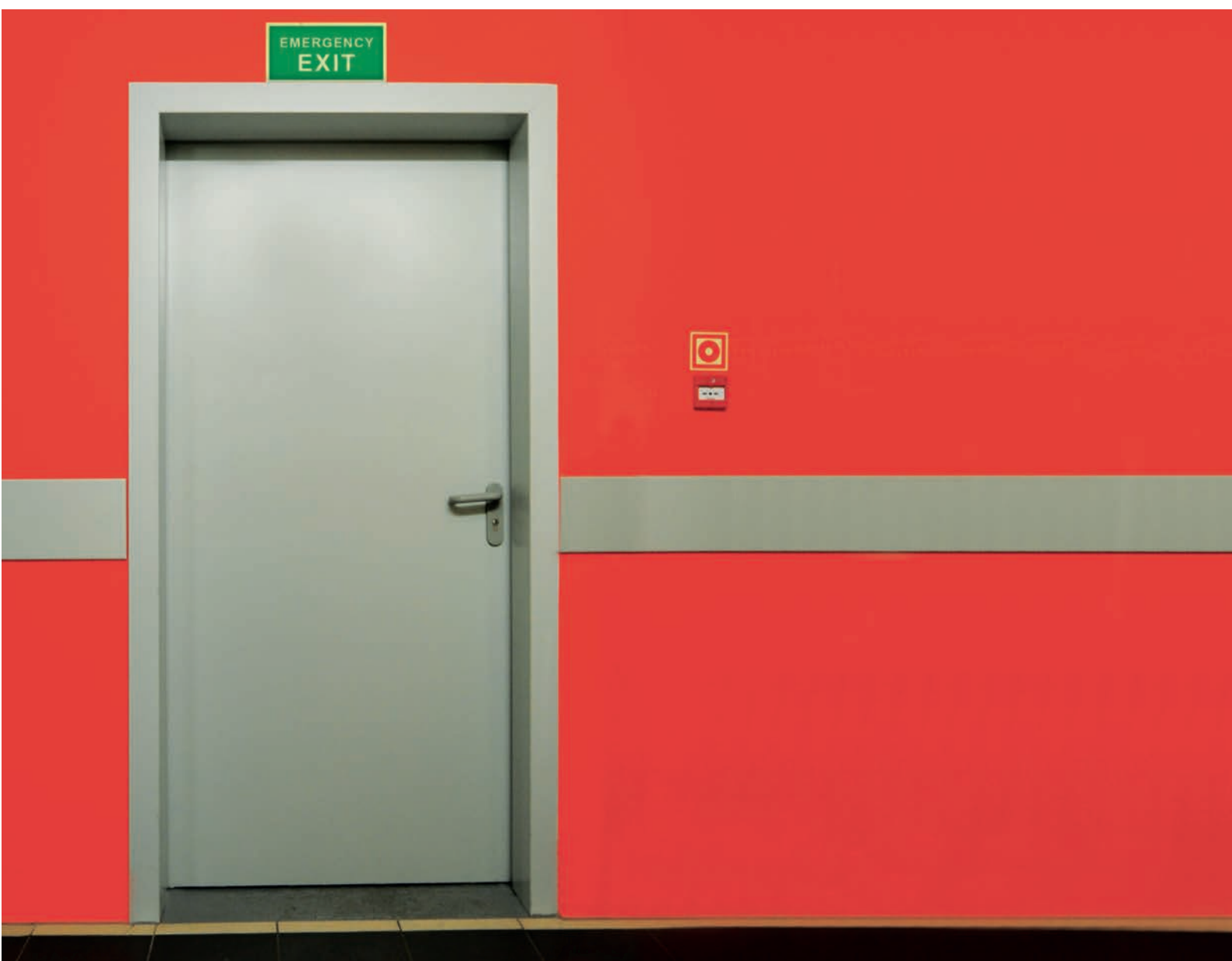
INFORMATION NECESSARY FOR INQUIRY / ORDER

Basic information:

- ▶ door dimensions: clear passing dimensions and/or structural wall dimensions
- ▶ fire resistance class requirements
- ▶ opening direction
- ▶ for double-leaf doors, division of dimensions for active leaf and passive leaf (or indicating clear passing dimensions just for active leaf)
- ▶ colour according to RAL palette
- ▶ smoke tightness if required

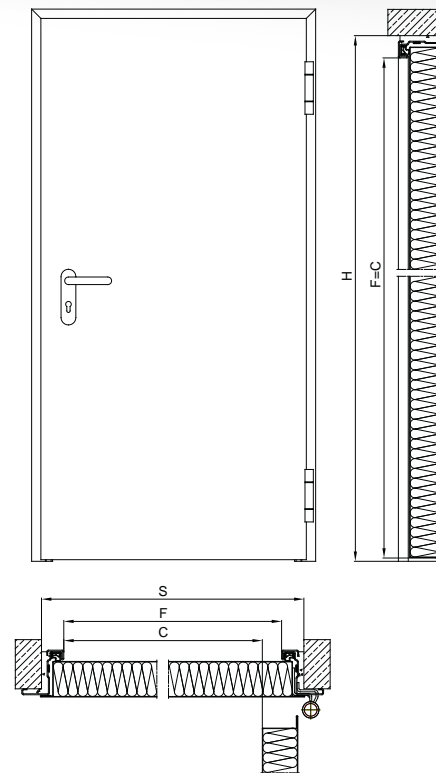
Additional information:

- ▶ additional accessories
- ▶ sketch, if possible

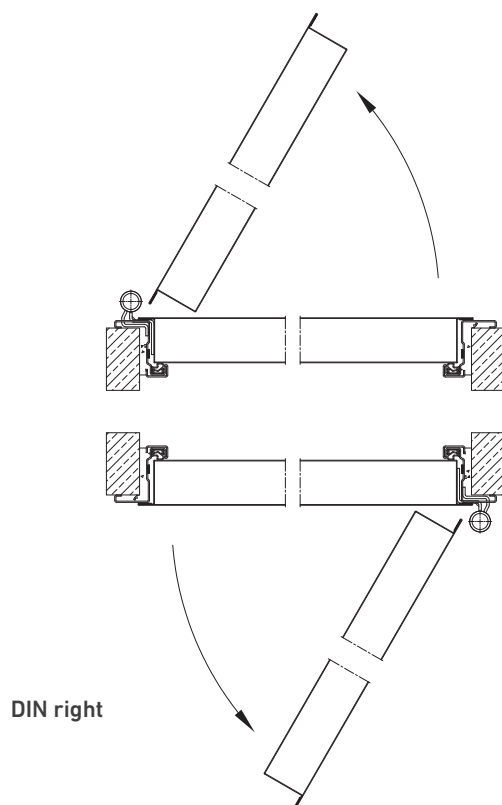


DOOR VIEW AND SELECTION

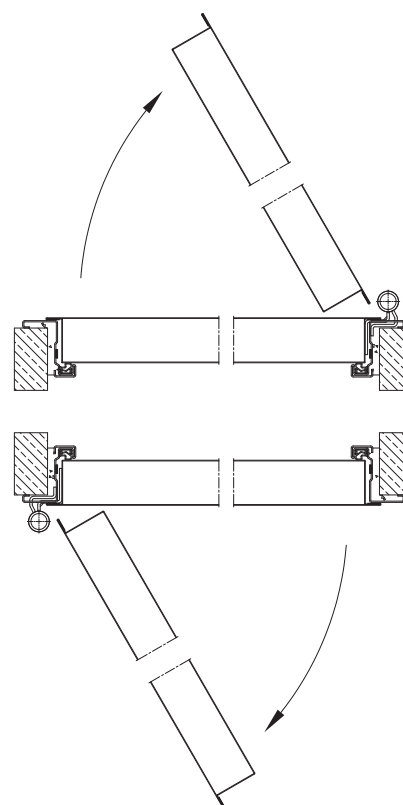
- ▶ S = structural wall dimension
- ▶ H = structural wall dimension
- ▶ F = frame to frame dimension
- ▶ C = clear passing dimension



OPENING DIRECTIONS



DIN right

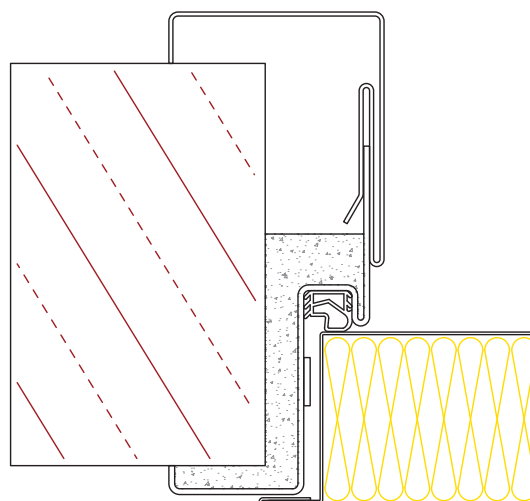
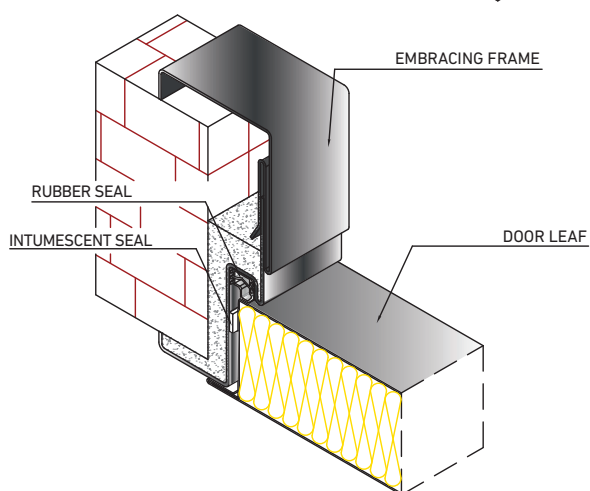
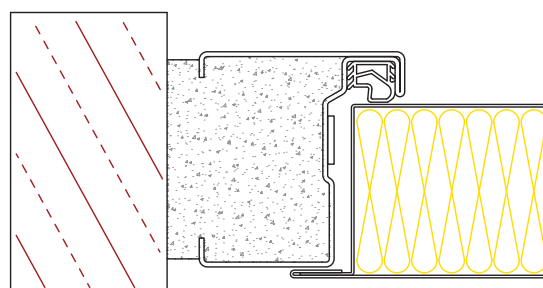
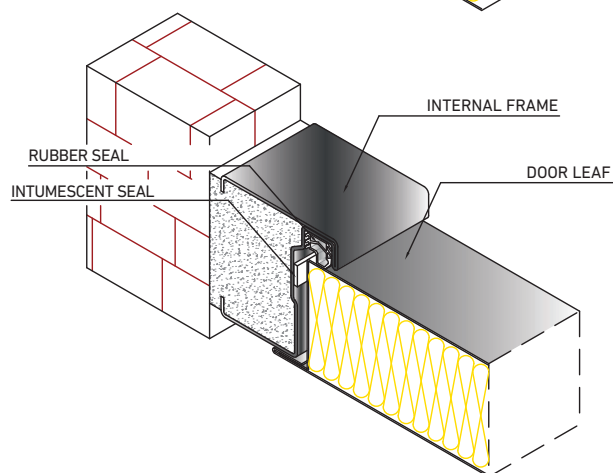
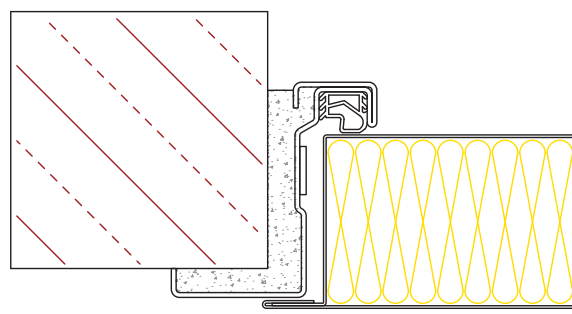
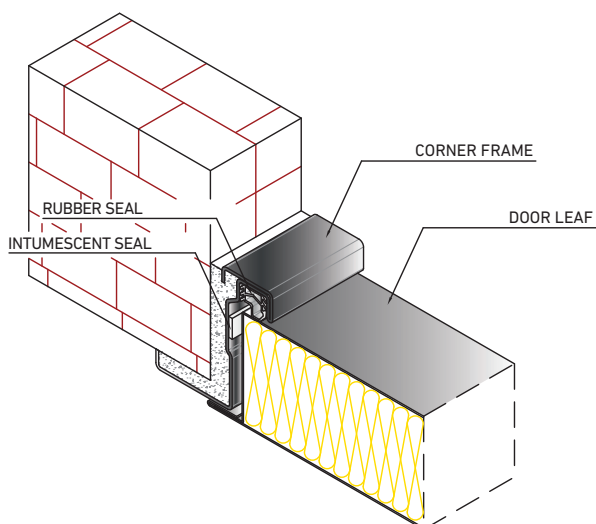


DIN left

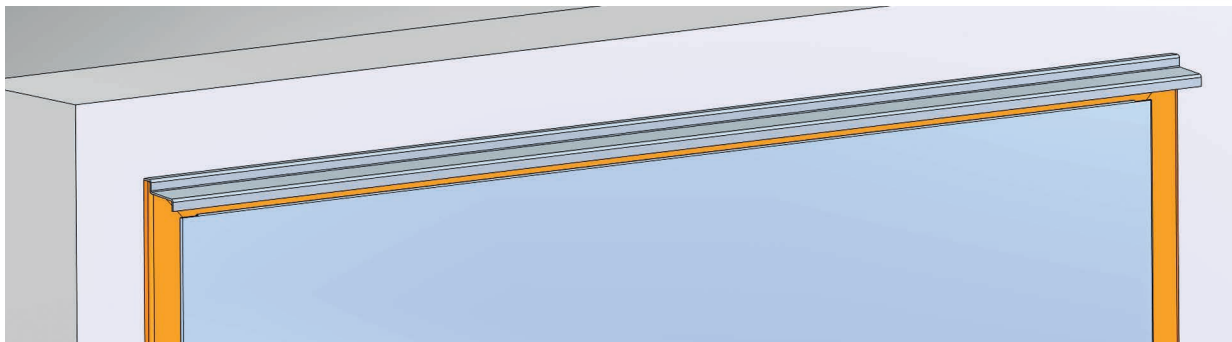
DOOR FRAMES

Selection of appropriate type of a door frame depends on aesthetic issues, mounting conditions and size of the opening. We offer three types of door frames: corner, embracing and internal ones.

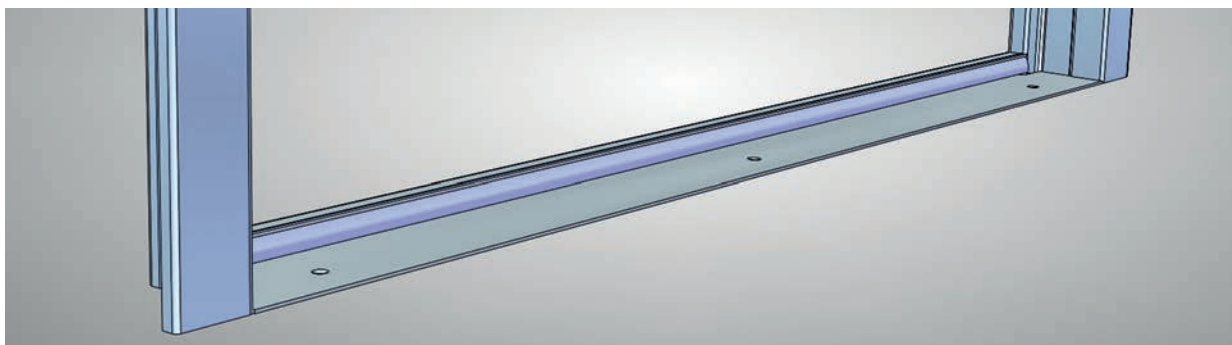
Examples of frames for EI 30 doors



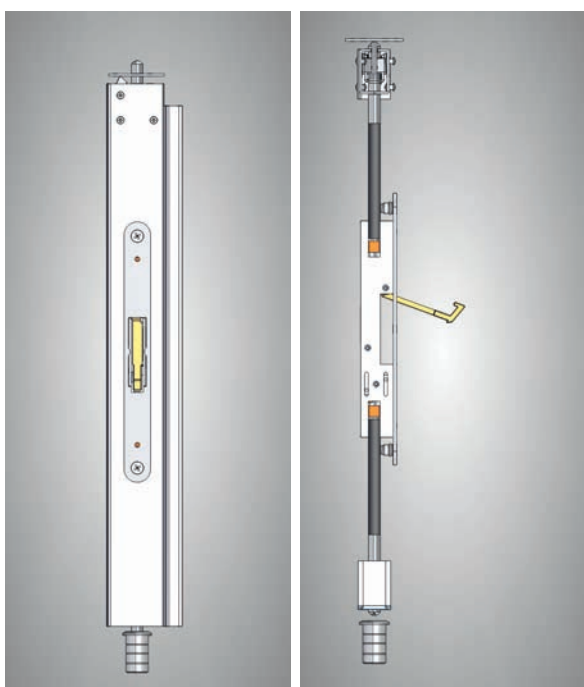
DRIP CAP



THRESHOLD



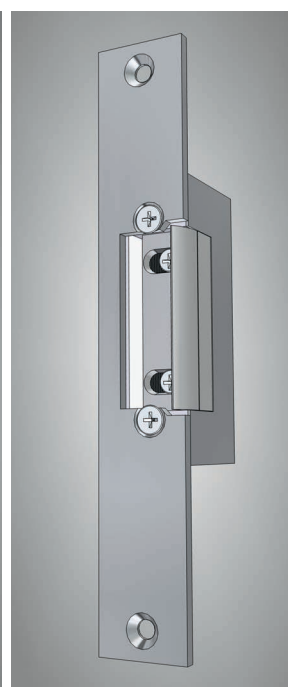
AUTOMATIC FLUSH BOLD ON PASSIVE LEAF



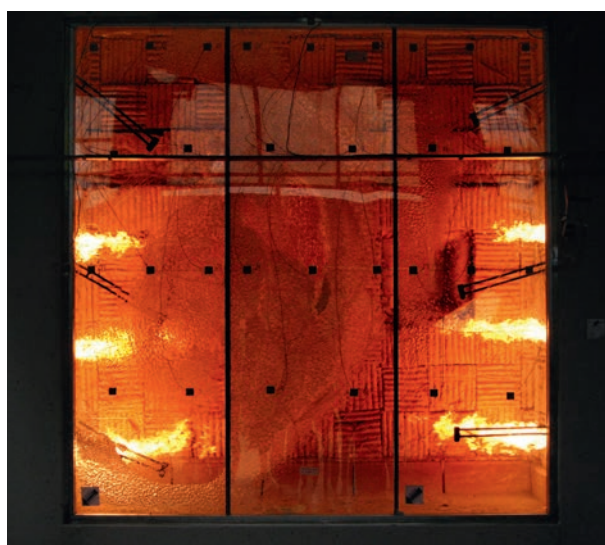
ELECTRIC STRIKE NC



ELECTRIC STRIKE NO



Our products are tested in accredited European laboratories and certified for fire resistance concordant with European Norms, therefore approved for application in construction industry in numerous European countries.



Fire tests

References



Grunwaldzki Center, Wrocław



Sanden Manufacturing Poland, Polkowice



European Investment Bank, Luksemburg



Henriksdal Waste Water Treatment Plant, Sztokholm





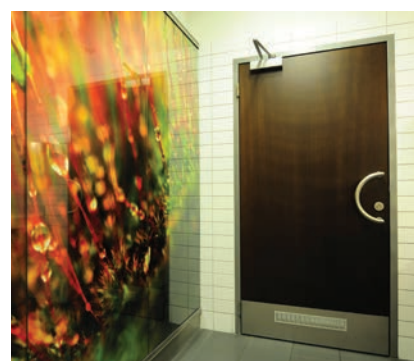
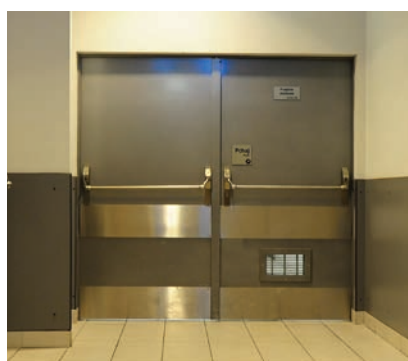
Hotel Hilton Garden Inn, Kraków



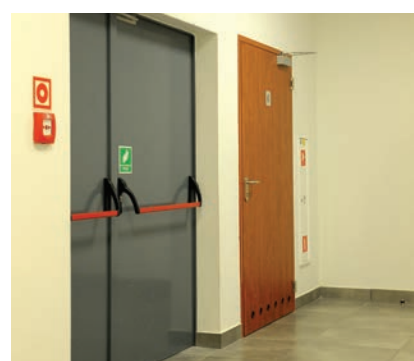
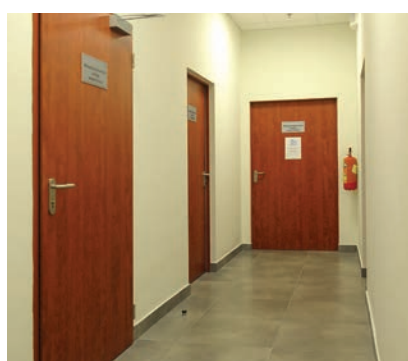
Hotel Hilton, Gdańsk



Focus Park, Rybnik



Galeria Leszno, Leszno



ASSA ABLOY MERCOR DOORS OFFERS

- ▶ fire resistant steel doors – mcr ALPE
- ▶ profile doors and partitions – mcr PROFILE and mcr PROFILE ISO
- ▶ fire resistant sliding gates – mcr TLB
- ▶ fire resistant rolling curtains – mcr EBR



ASSA ABLOY

Arkońska Business Park
ul. Arkońska 6/A2
80 – 387 Gdańsk, Poland
tel. : +48 58 732 63 00
fax : +48 58 732 63 02

mercordoors@assaabloy.com
www.mercordoors.eu

