

**EFAFLEX**   
*safe high-speed doors*

*F Series*



*High-speed folding doors*



# F Series

The horizontal folding motion of high-speed folding doors ensures that the entire vertical clearance is achieved immediately. F Series doors open at high speed and are capable of withstanding extreme loads. They protect against noise and draughts, save energy and offer impressive heat and sound insulation characteristics.

EFAFLEX high-speed folding doors, used predominantly as external doors, are a component of modern industrial architecture. Thanks to the exceptional versatility in individual design, your high-speed folding door can be adapted perfectly to suit any facade.



# EFA-SFT® The folding door for external and internal application.

## A glance at the advantages of the EFA-SFT®:

- High-performance, low-maintenance exterior door
- Maximum speeds of up to 2.5 m/s
- Up to 200,000 load cycles per year
- Up to Class 4 wind resistance
- Countless optional features

The EFA-SFT® perfectly unifies functionality with aesthetics. The patented modular design reduces repair and maintenance requirements to the minimum. No floor guide rails are required. We equip particularly large doors with special floor stoppers that stabilize the closed wings of the central leaves.

## From outside, everything is a facade

In terms of optional features, the EFA-SFT® is the most versatile of all EFAFLEX high-speed doors. There are numerous options for adapting the EFA-SFT® optimally to any facade, with variable wing partitioning, bar arrangement and bracing. The surface of the door blade can be anodized in any colours of the anodized colour chart, or powder-coated in any RAL colours of your choice.

*Perfect architectural adaptation to the existing facade: EFA-SFT®.*



## No more waiting: the EFA-SFT® gets moving

Even a several metre wide and high EFA-SFT® achieves opening speeds of up to 2.5 m/s. Inside a building, this speed advantage keeps operations running smoothly. At the interface to the building exterior, the enormously high opening and closing speed is an efficient energy saver.



## Inner values also count

The EFA-SFT® is made of aluminium and steel, a combination to meet highest quality standards. The standard load-bearing parts of the EFA-SFT® are made of galvanized sheet steel. The door blade consists of anodized, non-corroding aluminium and is equipped with a single acrylic pane that allows plenty of daylight into the building.

As an option, double glazing can guarantee excellent heat insulation on your high-speed folding doors.

*Fast, faster, EFAFLEX:  
with innovative technology, the EFA-SFT® greatly  
accelerates your company's logistics.*



# EFA-SFT®

## Power and reliability for high-speed folding doors

We equip our F Series doors with a robust pneumatic drive as a standard. This powerful drive has proven itself innumerable times in the past and has been developed to perfection. It can easily achieve a million load cycles. If you do not wish to use compressed air, we also supply electric motor-driven high-speed folding doors.



### Universal joint technology by EFAFLEX

The wings of high-speed folding doors are joined using a EFAFLEX universal joint. The door wings are universally-mounted so they are under no stress at any time, guaranteeing many years of low-maintenance, faultless operation.

## Locked at the push of a button, even from far away

The EFA-SFT® can be equipped with a comfortable remote-controlled lock. This can be operated from a switch cabinet or from an external key switch. If necessary, the door can be manually unlocked by a lever from inside.



## Technical details:

|   |  | F series  |           |           |
|---|--|-----------|-----------|-----------|
|   |  | EFA-SFT®  |           |           |
|   |  | L         | S         | ÜS        |
| Application                                       | Interior door  | ○         | ○         | ○         |
|   | Lock-up doors  | ●         | ●         | ●         |
| Wind load max.*                                   | According to DIN EN 12424 class                      | 4         | 3         | 2         |
| Operating forces/safe opening                     | According to DIN EN 13241-1                          | fulfilled | fulfilled | fulfilled |
| Resistance against water ingress                  | According to DIN EN 13241-1 class                    | 0         | 0         | 0         |
| Air permeability*                                 | According to DIN EN 13241-1 class                    | 0         | 0         | 0         |
| Direct airborne sound insulation R <sub>w</sub> * | in dB according to DIN EN 717-1                      | 21        | 21        | 21        |
| U value maximum*                                  | in W/m <sup>2</sup> K according to DIN EN 13241-1    | 4.88      | 4.66      | 4.11      |
| Door size (in mm)                                 | Width W max.   | 3,750     | 5,250     | 8,000     |
|   | Height H max.  | 3,750     | 7,000     | 6,000     |
| Maximum door blade speed*                         | in m/s   | 2.5       | 2.0       | 1.5       |
| Average speed, ca.*                               | Opening in m/s                                       | 2.0       | 1.8       | 1.0       |
|   | Closing in m/s                                       | 1.0       | 1.0       | 0.6       |
| Steel design                                      | Galvanized sheet steel frame                         | ●         | ●         | –         |
|   | Stainless steel                                      | –         | –         | –         |
|   | Powder coated in RAL colours                         | ○         | ○         | ●         |
| Door blade  | Door blade modules made of anodized aluminium E6/EV1 | ●         | ●         | ●         |
|   | Vision panel single-walled/double-walled             | ●/○       | ●/○       | ●/○       |
|   | Non transparent infill single-walled/double-walled   | ○/○       | ○/○       | ○/○       |
| Fire class  | Building Material class DIN 4102                     | B2        | B2        | B2        |
| Designed for approx ... Load cycles per year      |  | 200,000   | 200,000   | 200,000   |
| Drive   | Electric motor with frequency converter              | ○         | ○         | –         |
|   | Pneumatic with electric controller                   | ●         | ●         | ●         |
| Control   | EFA-TRONIC®  | ○         | ○         | –         |
|   | Frequency converter                                  | ○         | ○         | –         |
|   | MCP2 with BUS technology                             | ●         | ●         | ●         |
|   | Main switch and foil keypad                          | ●         | ●         | ●         |
| Lead  | Electricity connection 230 V/50 Hz                   | ●         | ●         | ●         |
|   | Electricity connection 400 V/50 Hz                   | –         | –         | –         |
|   | Circuit breaker                                      | 16 A (K)  | 16 A (K)  | 16 A (K)  |
|   | Compressed air supply (1/2")                         | 6 bar     | 6 bar     | 6 bar     |
| Manual locking                                    |  | ○         | ○         | ○         |
| Emergency opening                                 | Manual activation                                    | ●         | ●         | ●         |
| Safety Devices                                    | Contact edge   | ●         | ●         | ●         |
|   | Light barrier  | ○         | ○         | ○         |
|   | Approach area monitoring                             | ○         | ○         | ○         |
|   | Light grid, external                                 | ○         | ○         | ○         |
| Safety system including activator                 | EFA-SCAN® frame/bollard                              | –/○       | –/○       | –/○       |
| Activators  | Connection of all common activators possible         | ●         | ●         | ●         |

● Standard, ○ upon request, – Not available, \*Depending on door blade, door blade guidance and door size, we reserve the right to make technical alterations!



## Technological advancement. Pioneering design.

For more than 40 years, EFAFLEX has developed and designed reliable and highly-efficient high-speed doors. With innovative technology and pioneering solutions for special requests, EFAFLEX continually provides the market with new stimuli. This leadership role through superior technology, the best quality and a maximum degree of security is part of EFAFLEX's identity. More than 1,000 employees guarantee competent consultation and excellent service. Worldwide and always near you.

