

**F Series**

# *High-speed folding doors*



**EFAFLEX**   
*safe high-speed 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 any facade.





### The EFA-SFT® at a glance

- 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

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

## From outside, everything is a facade

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

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 choosing.

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





## 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, insulating double glazing can guarantee excellent heat insulation on your high-speed folding doors.



## 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.



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



## 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.

## 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.

## Universal joint technology by EFAFLEX

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



Technical data:

		EFA-SFT®		
		L	S	ÜS
Application	Interior door	○	○	○
	Lock-up doors	●	●	●
Wind load max.*	According to DIN EN 12424 class or in km/h	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/m²K nach DIN EN 13241-1	4.88	4.66	4.11
Door size (in mm)	Width W max.	3750	5250	8000
	Height H max.	3750	7000	6000
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
	Closing in m/s, with EFA-TLG® door light-line grid	–	–	–
Door blade guidance	Round Spiral	–	–	–
	Oval Spiral	–	–	–
	Low-header	–	–	–
Steel design	Galvanized sheet steel frame	●	●	–
	Stainless steel	–	–	–
	Powder coated in RAL colours	○	○	●
Door blade	EFA-THERM® laths, double walled, insulated/painted	–	–	–
	EFA-THERM laths with double-walled transparent laths	–	–	–
	EFA-ISO-CLEAR double walled, thermally separated/anodized	–	–	–
	EFA-CLEAR single-walled/anodized	–	–	–
	Ventilation laths	–	–	–
	Colour according to RAL (without window panel)	–	–	–
	Door blade modules made of anodized aluminium E6/EV1	●	●	●
	Vision panel single-walled/double-walled	●/○	●/○	●/○
	Non transparent infill single-walled/double-walled	○/○	○/○	○/○
	Door curtain made of flexible PVC, transparent with warning stripes in different colours	–	–	–
	Flexible fabric in different colours with/without window	–	–	–
Fire class	Building Material class DIN 4102	B2	B2	B2
Weight balancing by		–	–	–
Designed for approx ... Load cycles per year		200,000	200,000	200,000
Collision protection	Active Crash System EFA-ACS/EFA-EAS	–/–	–/–	–/–
Drive	Electric motor with frequency converter	○	○	–
	Pneumatic with electric controller	●	●	●
Control	EFA-CON®	○	○	–
	Frequency converter	○	○	–
	MCP2 with BUS technology	●	●	●
	Main switch and foil keypad	●	●	●
	Reversing contactor control/comfort	–	–	–
Lead	Electricity connection 230V/50Hz	●	●	●
	Electricity connection 400V/50Hz	–	–	–
	Circuit breaker	16A(K)	16A(K)	16A(K)
	Compressed air supply (1/2")	6 bar	6 bar	6 bar
Manual locking		○	○	○
Emergency opening	Automatic after manual activation	–	–	–
	Manual activation	●	●	●
Safety Devices	EFA-TLG® door light-line grid in door closing line	–	–	–
	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!



*safe high-speed doors*

EFAFLEX Tor- und Sicherheitssysteme  
GmbH & Co. KG  
Fliederstrasse 14  
D-84079 Bruckberg  
Telephone +49 8765 82-0  
Facsimile +49 8765 82-100  
[www.efaflex.com](http://www.efaflex.com)  
[info@efaflex.com](mailto:info@efaflex.com)