

## DEKO FG FIRE

# FIRE-CLASSIFIED FULLY GLAZED PARTITION

Designed, engineered and certified to the latest European safety standards, DEKO FG Fire ensures safety from fire and smoke. This impressive product is in high demand due to its cost effectiveness, minimal detailing and high performance levels - including an acoustic performance of up to 51 dB.

DEKO FG Fire comprises a single glazed, full height panel finished with narrow profiles at all interfaces with the existing interior. The vertical joints between the glazed panels are fireproof and available in three different designs: Profile, Clear or Black.

DEKO FG Fire can be double glazed to achieve barrier loadings (guarding) and even higher acoustic performance where required.

51 dB\*

SOUND  
\*up to

EI 120\*

FIRE  
\*up to

19-69mm

THICKNESS





PROPERTIES

- Fire approved in slim profile structure
- Several variations for glass joints as other DEKO FG fully glazed partitions
- 30 or 40mm profile in design like other DEKO glazed partitions
- Fire approved up to EI 120 A2-s1, d0
- Sound reduction up to 51dB
- Fire tested up to 3.5m
- Multiple colours of profiles
- Elegant aluminium profiles
- Several door types
- Fire-tested special solution for motion absorption
- Several glass types
- Safety glass
- Reusable
- Prefabricated
- Applied graphics available

## FULLY GLAZED PARTITION

# Maximum safety and visibility with minimal detailing

Fully glazed partition with one layer of fire-rated glass of 16-48mm, depending on fire and sound requirements. The glass provides up to 51 dB of sound reduction depending on the type of glass. The fire-classified partition is part of a fire-approved partition system with an elegant aluminium structure, classified up to EI 120 with narrow profiles, whatever the fire requirements.

Whatever the fire and glass joint requirements, we use the same narrow 30 or 40mm patented profile structure in the edge of the glazed partition. If you want DEKO FG Fire Profile, it is the same narrow profile in a vertical joint and the same design line.



**90-DEGREE CORNERS**  
 A fire-tested solution with glass all the way to the edge eliminates any requirement for corner posts.

DESIGN

# Lightweight look with narrow profiles

MINIMAL DETAILING

## The elegant design of DEKO FG Fire

The patented structural framework is minimal and, in terms of design, DEKO FG Fire is a perfect match for the rest of the DEKO FG range, whatever the fire requirements.

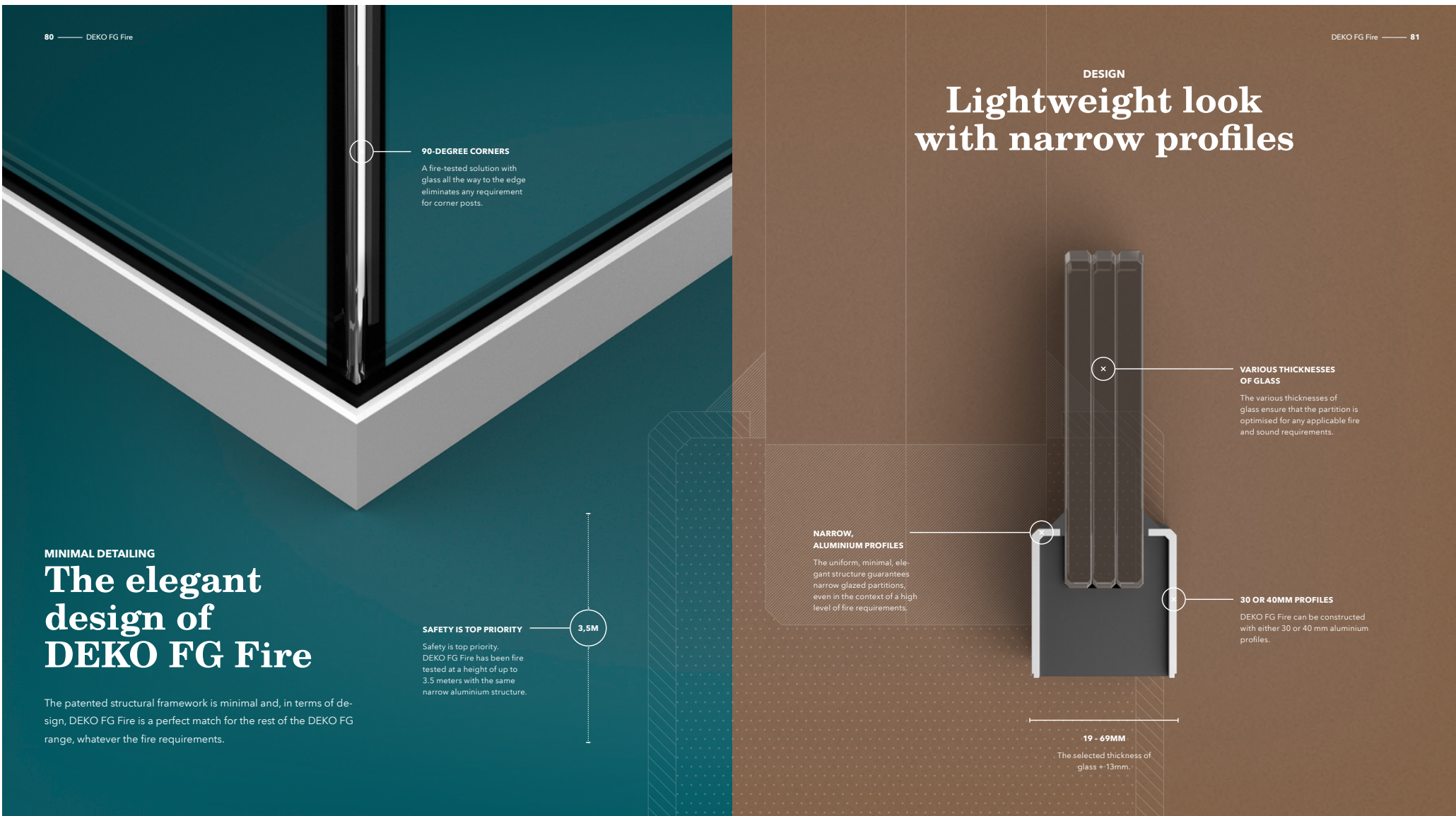
**SAFETY IS TOP PRIORITY**  
 Safety is top priority. DEKO FG Fire has been fire tested at a height of up to 3.5 meters with the same narrow aluminium structure.

**NARROW, ALUMINIUM PROFILES**  
 The uniform, minimal, elegant structure guarantees narrow glazed partitions, even in the context of a high level of fire requirements.

**VARIOUS THICKNESSES OF GLASS**  
 The various thicknesses of glass ensure that the partition is optimised for any applicable fire and sound requirements.

**30 OR 40MM PROFILES**  
 DEKO FG Fire can be constructed with either 30 or 40 mm aluminium profiles.

**19 - 69MM**  
 The selected thickness of glass + 13mm.





DEKO FG FIRE PROFILE



DEKO FG FIRE BLACK



DEKO FG FIRE CLEAR

## RANGE OF DOORS FOR DEKO FG FIRE



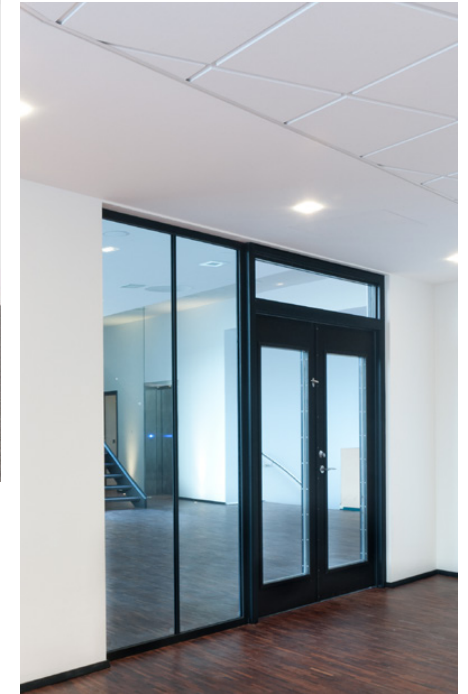
DEKO TD - SOLID TIMBER DOOR



DEKO AG - ALUMINIUM GLASS FRAMED DOOR



DEKO FD - FULLY GLAZED FRAMELESS DOOR, PIVOT-HINGED



DEKO TG - GLASS FRAMED TIMBER DOOR

## TYPE SUMMARY

Product	Fire resistance (min)	Sound insulation (Rw)	Partition thickness (mm)	Glass thickness (mm)	Glazed panels	Weight (kg/m <sup>2</sup> )
DEKO FG Fire Profile <sup>1</sup>	E 30	32 - 38 dB <sup>2</sup>	19 - 25	6 - 12mm fire-rated glass	1	15 - 30
DEKO FG Fire Profile <sup>1</sup>	EW 30 <sup>3</sup>	37 - 40 dB <sup>2</sup>	24 - 35	11 - 22mm fire-rated glass	1	25 - 49
DEKO FG Fire Profile <sup>1</sup>	EW 60 <sup>3</sup>	37 - 40 dB <sup>2</sup>	24 - 35	11 - 22mm fire-rated glass	1	25 - 49
DEKO FG Fire Profile <sup>1</sup>	EW 90 <sup>3</sup>	37 - 40 dB <sup>2</sup>	24 - 35	11 - 22mm fire-rated glass	1	25 - 49
DEKO FG Fire Profile <sup>1</sup>	EW 120 <sup>3</sup>	37 - 40 dB <sup>2</sup>	24 - 35	11 - 22mm fire-rated glass	1	25 - 49
DEKO FG Fire Profile <sup>1</sup>	EI 30	38 - 40 dB <sup>2</sup>	29 - 31	16 - 18mm fire-rated glass	1	34 - 39
DEKO FG Fire Profile <sup>1</sup>	EI 60	41 - 44 dB <sup>2</sup>	38 - 46	25 - 33mm fire-rated glass	1	52 - 73
DEKO FG Fire Profile <sup>1</sup>	EI 90	46 dB <sup>2</sup>	53 - 61	40 - 48mm fire-rated glass	1	82 - 102
DEKO FG Fire Profile <sup>1</sup>	EI 120	46 dB <sup>2</sup>	53 - 61	40 - 48mm fire-rated glass	1	82 - 102
DEKO FG Fire Black <sup>1</sup>	EW 30 <sup>3</sup>	39 dB <sup>2</sup>	33	20mm fire-rated glass	1	46
DEKO FG Fire Black <sup>1</sup>	EW 60 <sup>3</sup>	39 - 43 dB <sup>2</sup>	33 - 43	20 - 30mm fire-rated glass	1	46 - 69
DEKO FG Fire Black <sup>1</sup>	EI 30	39 - 43 dB <sup>2</sup>	33 - 43	20 - 30mm fire-rated glass	1	46 - 69
DEKO FG Fire Black <sup>1</sup>	EI 45	41 - 43 dB <sup>2</sup>	36 - 43	23 - 30mm fire-rated glass	1	52 - 69
DEKO FG Fire Black <sup>1</sup>	EI 60	40 - 44 dB <sup>2</sup>	44 - 54	31 - 41mm fire-rated glass	1	69 - 94
DEKO FG Fire Clear <sup>1</sup>	EW 30 <sup>3</sup>	39 dB <sup>2</sup>	30 - 37	17 - 24mm fire-rated glass	1	40 - 56
DEKO FG Fire Clear <sup>1</sup>	EI 30	39 dB <sup>2</sup>	30 - 37	17 - 24mm fire-rated glass	1	40 - 46
DEKO FG Fire Clear <sup>1</sup>	EI 45	40 - 43 dB <sup>2</sup>	39 - 47	26 - 34mm fire-rated glass	1	60 - 76
DEKO FG Fire Clear <sup>1</sup>	EI 60	40 - 43 dB <sup>2</sup>	39 - 47	26 - 34mm fire-rated glass	1	60 - 76

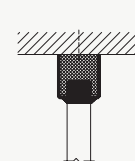
1) Fully glazed partitions are available in sizes and modules to suit the project. For more information about maximum sizes, modules, choice of glass types and joints, contact the local distributor or DEKO.

2) Sound reduction value for the glass itself depends on the type of glass that is incorporated.

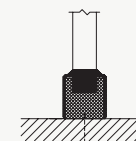
3) EW also meets fire classification E

For updated values and details, please visit [deko.com](http://deko.com)

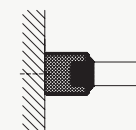
## DETAILS



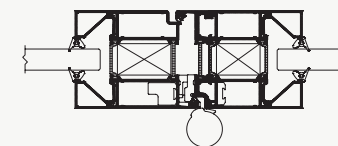
CEILING CONNECTION



FLOOR CONNECTION



WALL CONNECTION

JOINT  
DEKO FG FIRE PROFILEJOINT  
DEKO FG FIRE BLACKJOINT  
DEKO FG FIRE CLEAR

DEKO AG - ALUMINIUM GLASS FRAMED DOOR

DEKO FG FIRE Profile EI 30 and EI 60 with special features are fire tested to accommodate movements at the top of the partition and by the floor.