



DEKO FG Fire

Fire Classified Fully Glazed Partition

Fully glazed floor to ceiling partitions in a partition system of narrow aluminium construction with fire classification up to EW 120 and EI 120.

DEKO FG Fire can be constructed as whole glazed partitions or as individual glazed sections built into plaster, brick or concrete walls.

Partition

The DEKO FG Fire glazed partition is constructed with 30 or 40 mm aluminium profiles against adjacent partition, ceiling and floor structures, whatever the requirements for fire resistance.

The glazed partition is tested and classified as EW 30, EI 30, EI 45, EW 60, EI 60, EW 90, EI 90, EW 120 and EI 120 construction in accordance with the latest European standards. DEKO FG Fire also has a fire classification of A2-s1, d0 construction.

The glass provides sound reduction of up to 46 dB, depending on the fitted glass type and glass thickness.

All profiles are supplied, as standard, as natural anodised aluminium, but can also be powder coated in other colours.

Joints between glass

Depending on the requirements for fire resistance, partition height, design and interior design, three different types of DEKO FG Fire glazed partitions are available: DEKO FG Fire Clear, DEKO FG Fire Black, and DEKO FG Profile.

Doors

With the DEKO FG Fire partition, it is possible to install fire rated doors in aluminium frames or pivot-hung doors without frames, if there is no high requirement for sound reduction.

The doors in aluminium frames can be installed as single or double doors. The doors can be constructed with DEKO doors, which are available as solid doors or glass framed doors of wood or aluminium.

Decoration

Like our other DEKO glazed partitions, the glass can be decorated with laminating film, so that the overall interior design has a uniform decoration.





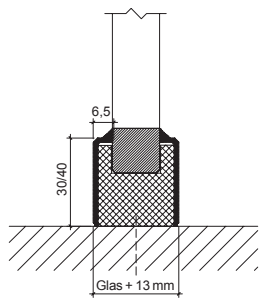
Type Summary

Type	Partition Thickness (mm)	Glazed Module (number)	Glazing Sizes (mm)	Weight (kg/m ²)	Airborne Sound Insulation (Rw)	Fire Resistance
FG Fire EW 30 ¹	24-35	1	11-22 mm fire rated glazing	25-49	37-40 dB ²	EW 30 A2-s1, d0 ³
FG Fire EI 30 ¹	27-43	1	14-30 mm fire rated glazing	31-70	38-42 dB ²	EI 30 A2-s1, d0
FG Fire EI 45 ^{1,6}	36-43	1	23-30 mm fire rated glazing	52-70	40-42 dB ²	EI 45, A2-s1, d0
FG Fire EW 60 ^{1,4}	24-43	1	11-30 mm fire rated glazing	25-70	37-42 dB ²	EW 60 A2-s1, d0 ³
FG Fire EI 60 ¹	38-54	1	25-41 mm fire rated glazing	52-94	40-44 dB ²	EI 60 A2-s1, d0
FG Fire EW 90 ^{1,5}	24-35	1	11-22 mm fire rated glazing	25-49	37-40 dB ²	EW 90, A2-s1, d0 ³
FG Fire EI 90 ^{1,5}	53-61	1	40-48 mm fire rated glazing	82-102	46 dB ²	EI 90, A2-s1, d0
FG Fire EW 120 ^{1,5}	24-35	1	11-22 mm fire rated glazing	25-49	37-40 dB ²	EW 120, A2-s1, d0 ³
FG Fire EI 120 ^{1,5}	53-61	1	40-48 mm fire rated glazing	82-102	46 dB ²	EI 120, A2-s1, d0

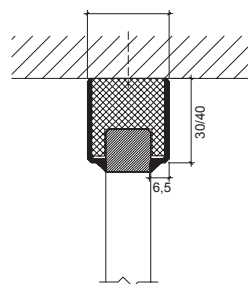
- 1) Fully glazed partitions are supplied in customized sizes. For more information of maximum sizes, choice of glass types and joints contact our export department.
- 2) The airborne sound insulation of the glass itself depends, among other things, on the glass type installed.
- 3) EW fire classification also fulfils E fire classification.
- 4) Only available as DEKO FG Fire Black or DEKO FG Fire Profile.
- 5) Only available as DEKO FG Fire Profile.
- 6) Only available as DEKO FG Fire Clear or DEKO FG Fire Black.



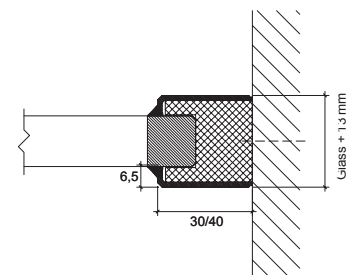
Examples of Details



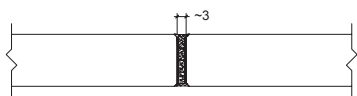
Floor connection



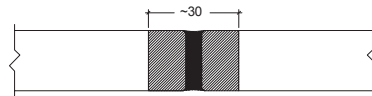
Ceiling connection



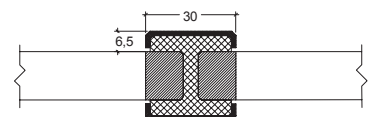
Wall connection



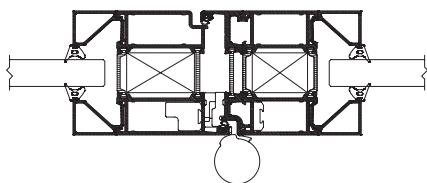
DEKO FG Fire Clear



DEKO FG Fire Black



DEKO FG Fire Profile



Glass framed doors of aluminium



DEKO partitions llp
Maarkaervej 11
DK-2630 Taastrup
Denmark

Tel.: +45 43 55 77 11
Fax: +45 43 55 77 13
www.deko.com