



DEKO FG

Fully Glazed Partition - An Open Environment





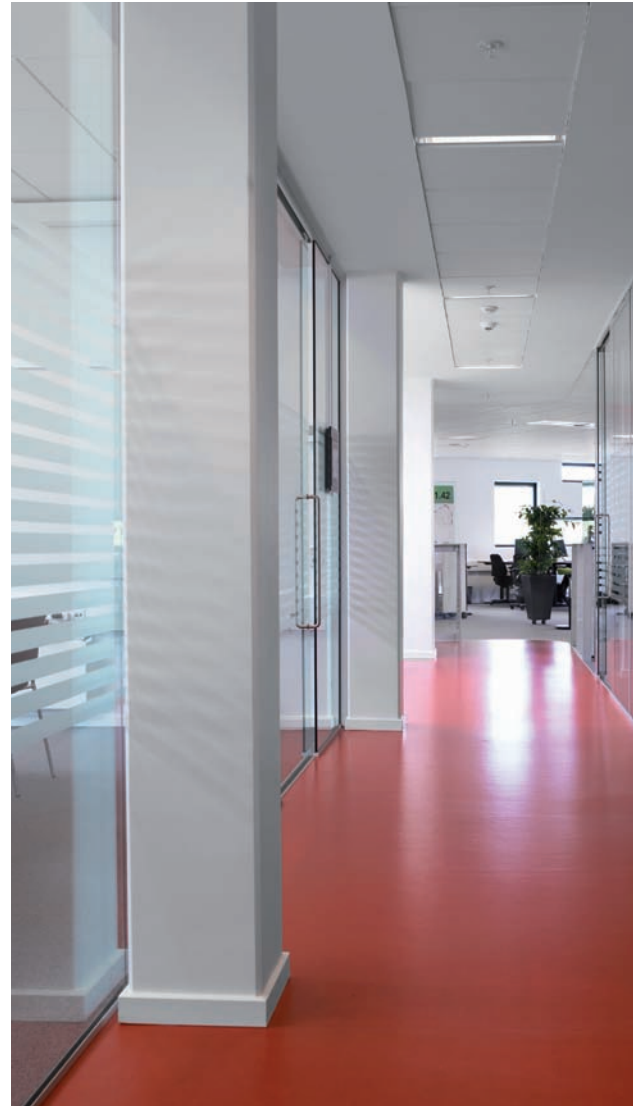


DEKO FG - Daylight is Maximised

Daylight plays an important role in ensuring well-being. Interior trends have developed dramatically in recent years leaving small, badly lit offices behind in favour of large, open environments with optimal use of natural light, enhancing comfort, job satisfaction, and communications.

Areas formed with DEKO FG fully glazed partitioning create a light, spacious, and attractive environment in large or small rooms in either new or existing buildings.

DEKO FG is flexible and adaptable to meet individual requirements of height, module size, degree of privacy required, etc.



Slim Single Glazed Partition

DEKO FG is a slim single glazed partition made with 10, 12, or 15 mm toughened clear safety glass. The system is compatible with other types of glass including coloured, frosted, laminated, or fire and sound rated glass.

Glazed modules are produced individually for each project. Their size and thickness is dictated by the height of the partition and the weight of the elements.



Design Features

Fully glazed full-height elements are finished with slim, aluminium profiles.

Prefabricated joint strips are inserted where glass meets floor and ceiling, providing minimalistic detailing.

Vertical joints between glazed elements can be achieved in three different ways: with a profile joint, a sealed joint, or an open joint.

The profile joint consists of a 20 mm aluminium profile, which is mounted with soft joint strips. A similar profile is used for corners and T-joints. All profiles are produced in natural anodised aluminium, but can be powder coated in other colours if required.

If a sealed joint is preferred, a 3 mm prefabricated clear silicone strip is used at the glass joints. The joint strip offers a secure but unobtrusive joint detail.

If an open joint is preferred, the glazed elements are not joined mechanically, but are installed leaving a 3-5 mm gap in between.

In line with our product philosophy all joints allow for easy demounting and replacement if alterations are required.



A Complete Door System

Sliding doors, pivot operated doors, and doors in aluminium frames can be fitted into DEKO FG partitions. The aluminium frame used is designed to offer high stability, making it possible to incorporate solid doors, glazed doors, and fully glazed doors. Solid timber doors can offer sound reduction properties.

If additional sound reduction is required with fully glazed doors they can be installed with an acoustic strip on the bottom of the door.







Sound Reduction Certified

In light and spacious working environments people still need a quiet environment in order to concentrate. DEKO have strived to optimise and document sound reduction for DEKO FG partitions. Special attention has been given to door systems.

Fully glazed partitions are tested with and without doors installed.

The sound reduction of the doors varies; best results are achieved when using the DEKO FG aluminium frame.

If high sound classifications are required we recommend DEKO GV double glazed partitions. They are produced with sound ratings up to 49 dB*.

*) Official DELTA testing.



Fire Rated Design

DEKO FG is tested and classified according to European and Danish fire rating standards, making it possible to use the same DEKO FG construction throughout the building, whatever fire requirements may apply.

After testing at the Danish Institute of Fire and Security Technology, DEKO FG has been classified up to EI60. With this classification we have named the partition DEKO FG Fire.

DEKO FG Fire is made of 20-31 mm fire rated glass. A special fire rated sealing strip is used for vertical glass joints. It is also possible to join glazed elements with a slim vertical aluminium profile which ensures neat, uniform lines.

As standard, all visible profiles of DEKO FG and DEKO FG Fire are produced in natural anodised aluminium.

Decoration

A large glazed surface has its advantages, but sometimes it is preferable to add opaque pattern for reasons of safety or privacy.

If privacy is required we recommend using frosted glass or applying silk screen prints or film to the glass.

Designs can take the form of stripes, patterns, or text. It is also possible to cover large areas of glass to use it as whiteboard. Alternatively venetian blinds or drapes can be used.

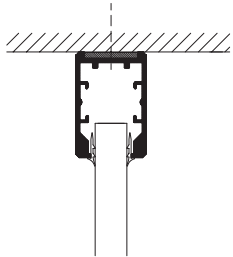
Film is applied after glazed partitions have been installed and can be replaced without having to change the glazed elements.

Finally, PDLC or privacy glass can be installed with electrical control. The glass then changes from being clear to frosted when current is passed through it.

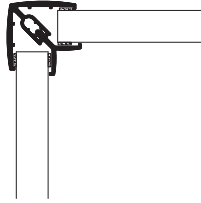




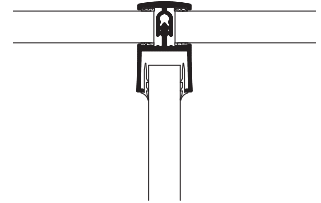
Details for DEKO FG



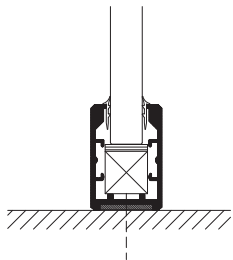
Ceiling connection



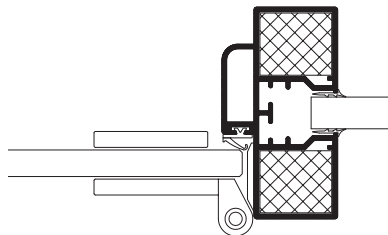
Profile joint / 90° corner



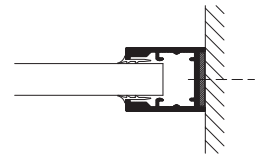
Profile joint / T-connection



Floor connection



Aluminium frame / fully glazed door



Abutment



Profile joint

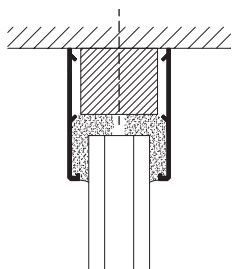


Sealed joint

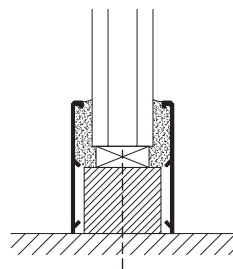


Open joint

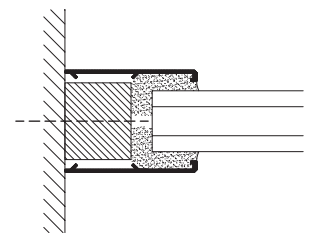
Details for DEKO FG Fire



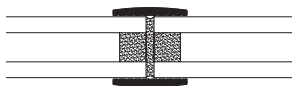
Ceiling connection



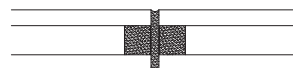
Floor connection



Abutment



Profile joint



Sealed joint



Type Summary

Type	Partition Thickness (mm)	Layers of Glass	Glass Thickness and Type (mm)	Weight (kg/sqm)	Airborne Sound Insulation (Rw)	Fire Resistance
FG	27-30	1	10, 12, 15	25, 30, 38	35-36 dB *	Unclassified **
FG Fire EW30	35	1	20	45	40 dB	EW30
FG Fire EI30	39	1	23	58	42 dB	EI30
FG Fire EW60	39	1	23	58	42 dB	EW60
FG Fire EI60	44	1	31	70	43 dB	EI60

*) Officially tested at DELTA with 12 mm glass and tight profile or sealed joint. Sound absorption can be improved additionally by using laminated high acoustic glass.

***) The DEKO FG partition with dedicated sprinkler system fulfils EI60 fire requirements.

For updated type values go to www.deko.com



DEKO partitions ltd of denmark was established in 1970 and presently has approximately 300 employees. DEKO is the leading producer of demountable, glazed, and folding partitions in Scandinavia and distributes its product range to more than 35 countries worldwide including Europe, Africa, and Asia in co-operation with established local distributors.



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