FIRE RATED PARTITIONS
FIRA

Interior fireproof systems meet the requirements for the fire resistance while maintaining maximum transparency and lightness of space. Whether you choose frame load-bearing partitions, a minimalist frame made of various materials, or a clean frameless solution concealed in the surrounding walls.

One of the decisive properties of building structures is their fire resistance, i.e. the time for which the building structures are able to withstand the effects of a “standard fire”, i.e. a fire that takes place under precisely defined conditions.

Our fire protection solutions are not just partitions. Perfectly adjusted doors are important for proper functionality. You can choose between the usual variants of single or double-leaf, solid, glazed, aluminum or wood doors.

STANDARD LEAF DIMENSION
- single door 800 x 2100 mm
- double door 1600 x 2100 mm

ACCESSORIES
- fire fittings, self-closing devices, drop seal, electromechanical locks and openers

Aluminum glazed doors, solid doors, wooden solid doors

CLASSIFICATION OF FIRE RESISTANCE OF BUILDING STRUCTURES

COMPLETE SYSTEM INCLUDING DOORS

EXPRESSION OF THE PROPERTIES OF FIRE RESISTANCE

AD 1G AD 2G AD solid
FIRE RATED PARTITIONS FIRA

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EXPRESSION OF THE PROPERTIES OF FIRE RESISTANCE

Classification time
10, 15, 20, 30, 45, 60, 90, 120, 180, 240 and 360 minutes

E - integrity
Integrity E is the ability of an element with a dividing function to withstand the action of fire from one side only, without transmitting the fire to the unexposed side due to the penetration of flames or hot gases.

I - insulation
Insulation I is the ability of a structural element to withstand the effects of fire from one side only, without the transfer of fire due to significant heat transfer from the exposed side to the unexposed side.

COMPLETE SYSTEM INCLUDING DOORS

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You can choose between the usual variants of single or double-leaf, solid, glazed, aluminum or wood doors.

STANDARD LEAF DIMENSION

<table>
<thead>
<tr>
<th></th>
<th>single door</th>
<th>double door</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>800 x 2 100 mm</td>
<td>1 600 x 2 100 mm</td>
</tr>
</tbody>
</table>

ACCESSORIES

- fire fittings, self-closing devices, drop seal, electromechanical locks and openers

- aluminum glazed doors
- aluminium solid doors
- wooden solid doors
The FIRA NF system has created a new approach to fire protection interior solutions. Due to the fact that no frames or vertical columns are needed, it is possible to produce completely transparent fire barriers with a height of up to 4,200 mm and an unlimited length. The joints of the individual glasses are provided by non-flammable silicone.

**FIRA NF SPECIFICATION**
- Partition thickness (glass)  30, 35, 45, 50 mm
- Partition design  frameless / frame
- **Fire resistance**  EI 30 - EI 90
- Height  up to 4,200 mm
- Sound insulation EI 30  43 dB
- Sound insulation EI 60  44 dB
- Sound insulation EI 90  47 dB

**ADDITIONAL PARTITION FRAMING OPTIONS**
- aluminium profile
- plasterboard stripe
- concealed mounting
- wooden frame
- plasterboard covered with profile
- panel's connection
Fire elements do not always have to act massively and disturb the interior. FIRA F78 is a solution for internal fire barriers, where the individual parts are interconnected by aluminum columns or can be glued directly to each other with non-flammable silicone. Thanks to this, the walls gain a uniform surface without being disturbed by vertical elements and give the space an optical magnification and a representative appearance.

**FIRA F78 | F60 SPECIFICATION**

- **Partition thickness** 78 | 60 mm
- **Partition design** divided by columns
  - directly glued
- **Fire resistance** F78 EI 30 - EI 90
  - F60 EI 30
- **Height** up to 3,600 mm
- **Width** up to 1,800 mm
- **Sound insulation** up to 41 dB

FIRA F60 variant has the profiling more subtle in visible widths and construction depth and thus takes up less space. Simpler construction means faster production and assembly.

Individual glass panels can be up to 3,600 mm high and up to 1,800 mm wide. Their connection can be practically endless and it is possible to effectively separate protected spaces or offices.

**SYSTEM 3D DETAILS**
OMEGA F100

OMEGA F100 is a fire protection variant of the Omega 100 system. You can easily build all partitions from one system. The system is created for normal width of partitions - 100 mm.

The advantage of the system is the possibility to combine solid and glass surfaces. You can leave the full parts in the decor of your choice and the glass surface completely transparent or process them graphically.

OMEGA F100 SPECIFICATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition thickness</td>
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<tr>
<td>Partition design</td>
<td>frame glass</td>
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<tr>
<td>Fire resistance</td>
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<tr>
<td>glass</td>
<td>EI 30</td>
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<tr>
<td>solid</td>
<td>EI 60</td>
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<tr>
<td>single door</td>
<td>EI 30</td>
</tr>
<tr>
<td>Height</td>
<td>up to 4 000 mm</td>
</tr>
<tr>
<td>Width</td>
<td>up to 1 200 mm</td>
</tr>
<tr>
<td>Sound insulation</td>
<td>up to 41 dB</td>
</tr>
</tbody>
</table>

The individual modules are factory-prepared in aluminum frames for quick installation or change.

PANEL COMBINATION OPTIONS
Becoming one of our fans and be part of the story...

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