The Opale partition offers an infinite amount of internal architectural solutions: partitions with an aluminium frame or with glazed panels fixed side by side. The possibility of integrating solid or glazed infills, as well as aluminium or glass doors, makes the Opale partition the ideal internal architectural solution. With its 3 assembly systems - standard partition, with a narrow rail or recessed junctions - the Opale partition offers huge scope for creative flexibility to meet whatever kind of architectural effect you are hoping to achieve.

The Opale partition system can also accommodate hinged doors and sliding doors.

Elegant and versatile, the Opale range is designed for a range of different markets: hospitals, offices, commercial premises, museums, etc.
OPALE
PARTITION SYSTEM

KEY FEATURES

DESIGN

• The possibility of creating framed partitions or using glazed panels fixed side by side for a sleek design.
• 3 types of applications: standard partition, with a narrow rail or with a recess junction (Technal patented system).
• A huge variety of infills: plasterboard or woodchip panels, composite materials, clear glazing, screen printed designs or safety glass (in accordance with current standards).
• It is possible to integrate doors made from safety glass (6.6 or 8.8 mm), wooden doors (40 mm) or those with an aluminium frame. These applications are available in hinged and full-access versions.

MODULARITY

• The partition starting from walls or multi-departing (2 to 4).
• Possibility of continuing on from a 100 mm plasterboard partition 100 mm.
• No modification or cutting work required for installation.
• Installation modifications can be made and modules can be interchanged easily.

PERFORMANCE

• Moveable and removable partition: CER.F.F. C.07-433R.
• ETA: European Technical Approval n° ETA - 07/0308.
• Acoustics: Up to 44dB for solid standard partitions with plasterboard panels.
• Mechanical stability: shock resistance to hard and soft body impacts as well as horizontal pressure without permanent deformation or surface alteration.
• Fire resistance:
  · Schott flame guard test carried out on an Opale partition system with glazed panels fixed side by side.
  · Class E 30 (PF30).
OPALE / PARTITIONS

3 SYSTEMS TO ADAPT TO ALL TYPES OF PROJECTS

STANDARD PARTITION
An infinite range of configurations and combinations is possible:
• Solid or glazed modules: full height, on a solid apron wall, multi-transom or glazed panels fixed side by side.
• Easy to move and to disassemble.

FLAT PARTITION WITH NARROW RAIL AND PICTURES RAIL
• High level of finish with the floor and the possibility of adding decorative touches.
• Solid or glazed modules with full-height versions available (fixed or movable), on a solid apron wall (glazed partition), multi-transom or glazed panels fitted side by side.
• Actuation systems for adjusting the flat partitions.
• Moveable and removable.

FLAT PARTITION WITH WOODEN RECESS JUNCTION
High-end aesthetics for internal architecture:
• Solid full-height module.
• Moveable and removable.

AESTHETICS AND COMFORT
• Vertical or horizontal frames which can be customised with different beads.
• Corner enhancement with straight or round aesthetics.
• Possibility of integrating blinds or lighting between two glazed panels.
• Separation of different electrical and computing wiring using a cable channel.

Architects: SCI La Scuderia, J. Chabanne
Photographer: S. Demailly
OPALE
/ INCORPORATION OF DOORS

Opale partition systems can accommodate 3 types of doors:
• A wooden door that is 40 mm thick
• A safety glass door that is 6.8 or 8.8 mm thick.
• Doors with aluminium frames.
• These applications are available in hinged and full-access versions.

HINGED DOOR
• 1 and 2-leaf applications.
• Varied selection of finishes and ergonomic handles: door knobs, push-down handles, pull handles.
• Pre-machined unit (push-down handle, door knob).
• Common frame for all types of opening frame.

FULL-ACCESS SLIDING DOOR
The opening frames fit seamlessly within the partition.
• 1 and 2-leaf applications with or without mullion.
• Maximum dimensions: H 3 m x width 1.2 m.
• Maximum weight per leaf: 100 kg.
• Easy to operate using a roller bearing system.
• Easy opening thanks to the pull handle with an optional lock.
• Common frame for all types of opening systems.
SECTIONS

STANDARD PARTITION
Full-height glazed module in a frame or fixed side by side

Full-height solid module

FLAT PARTITION WITH NARROW RAIL
Full-height glazed module

Full-height solid module

FLAT PARTITION WITH RECESS JUNCTION
Full-height solid module
SECTIONS

HINGED DOORS

Wooden door

Glass door

Door frame: (Lw + 82)

Opening width

Aluminium door

Full-access sliding door

Door frame

Opening width
APPLICATIONS

STANDARD PARTITION

Full-height solid module
Full-height glazed module
Glazed module on a solid apron wall
Module multi-transom

FLAT PARTITION WITH NARROW RAIL

Full-height solid module
Full-height glazed module
Glazed module on a solid apron wall
Multi-crosspiece module
Adjustable module

FLAT PARTITION WITH RECESS JUNCTION

Full-height solid module
Glazed module on a solid apron wall

HINGED DOORS

Frame for wooden door
Frame for wooden door under a mullion
Frame for safety glass door
1-leaf door, pocket glazing with handle
2-leaf door, pocket glazing with handle
1-leaf door, pocket glazing with knob
2-leaf door, pocket glazing with knob

FULL-ACCESS SLIDING DOOR

Full-access sliding door
1 and 2 leaves without transom

Full-access sliding door
1 and 2 leaves with transom
## PERFORMANCE

### ACCOUSTIC PERFORMANCE

<table>
<thead>
<tr>
<th>Type</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid moveable partition</td>
<td>39 dB CER.F.F. C.07-433</td>
</tr>
<tr>
<td>Solid moveable partition + door</td>
<td>31 dB CER.F.F. C.07-433</td>
</tr>
<tr>
<td>Full-height glazed partition 44.2</td>
<td>42 dB CER.F.F. C.07-433</td>
</tr>
<tr>
<td>Solid standard partition</td>
<td>42 dB n°2312.6.575</td>
</tr>
<tr>
<td>Solid plaster-coated standard partition</td>
<td>44 dB n°2312.6.575</td>
</tr>
<tr>
<td>Glazed standard partition/2-sided apron wall 44.2</td>
<td>41 dB n°2312.6.575</td>
</tr>
<tr>
<td>Glazed standard partition/1-sided apron wall 44.2</td>
<td>35 dB n°2312.6.575</td>
</tr>
</tbody>
</table>

### MECHANICAL STABILITY

#### DURABILITY

<table>
<thead>
<tr>
<th>Applications</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>To a soft body shock (bag of 50 daN with an energy of 120 J applied to the centre of the modules of solid and glazed partitions).</td>
<td>Solid modular partition with door CER.F.F. C.07-433</td>
</tr>
<tr>
<td>Shock with sand bag 120 J</td>
<td>Glazed modular partition with door CER.F.F. C.07-433</td>
</tr>
<tr>
<td>To horizontal force (force of 50 daN applied 1.5 m from the ground where the two panels meet)</td>
<td>Solid modular partition with door CER.F.F. C.07-433</td>
</tr>
<tr>
<td>Horizontal push 50 kg</td>
<td>Glazed modular partition with door CER.F.F. C.07-433</td>
</tr>
</tbody>
</table>

### SECURITY

<table>
<thead>
<tr>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>To a soft body shock (bag of 50 daN with an energy of 300 J applied to the centre of the modules of solid and glazed partitions).</td>
</tr>
<tr>
<td>To a soft body shock (bag of 50 daN with an energy of 400 J applied to the centre of the modules of solid and glazed partitions).</td>
</tr>
<tr>
<td>To a rigid body shock (marble 1 kg, energy of 10 J, imprint &lt; Ø 20, depth &lt; 2 mm)</td>
</tr>
</tbody>
</table>

### MODULARITY

<table>
<thead>
<tr>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modular partition with door: modified installation, interchangeability, tolerance adjustments and adaptation to uneven surfaces</td>
</tr>
</tbody>
</table>

### MAXIMUM WEIGHT

| Weight per wooden door leaf with split hinges | 80 kg   |
| Weight per wooden door leaf with split hinges | 40 kg   |

/16 /17
MATERIALS AND PARTS
As with all Technal systems, only the highest quality materials and components are used to minimise maintenance and ensure long-term performance.
- Aluminium profiles are extruded from alloys 6060 Building compliant with EN 12020, EN 573-3, EN 515 and EN 775-1 to 9.
- Fittings are cast from EN 12844 compliant Zamak 5.
- All gaskets are EPDM or TPE (Thermoplastic elastomers).
- The polyamide thermal breaks are extruded from PA6-6 (0.25 FV).
- Screws are made from stainless steel.

FINISHES AND COLOURS
A wide range of finishes and colours is available to meet individual project requirements, enhancing existing buildings and offering architects and designers greater design freedom:
- Natural anodised in accordance with EN 123731: 2001.
- Polyester powder coating finishes in a wide range of colours in accordance with "QUALICOAT".
- OPALE is also available in lacquered finishes with exclusive Technal colours for a stylish and contemporary look.