



Partition framework

The vertical framework shall be made of aluminium tubular profiles of 77 mm module overall. The choice of posts shall depend on required inertia: frameworks of a width of (...) mm and a height of (...) mm.

The angles shall be made from:

- 2 or 3 starting posts permitting 2 to 4 x 90° angles.

and/or

- Curved posts for all angles, even specific angles.

Post transom assembly shall be on a straight cut with no visible mounting.

The partition shall be

- Removable: the components can be dismantled and re-implemented, without specifically adapted labour or cutting. They shall be interchangeable. A specific system of rails and jacks shall absorb building tolerance, surface irregularities and shall allow level variations to be equalized (+/- 12.5 mm ground, ceiling or lateral walls, or +/- 25 mm between the 2 faces).

All installation changes shall be possible without damage to the environment or to the partition itself. CERFF* certificates No. C 093.

or

- Can be dismantled: the partition can be dismantled without damage to surroundings, it can be re-assembled by replacing certain parts or components.

The partition, due to a system of U-shaped or widened rails (+3/4 mm compared to standard rails) shall make up for level irregularities between floor and ceiling or between lateral walls.

Volume fixing

- Laminated full panels (13 or 14 mm) with rock wool core (45mm).

and/or

- 1 pane (5, 6, 6, 8, 8 or 8.8) mm thick.

or

- 2 panes with profile and insert seals (Venetian blind or fluorescent lighting can be incorporated).

Shall be obtained with

- Clip-on aluminium half-moon, trim, water drop, coloured or flat capping.

or

- Shelving architrave (use of shelf brackets for Deco or Basic models)

Electric wiring shall pass

- Between the panels (full panels).

and/or

- Inside the profiles.

and/or

- At floor level, using a baseboard with PVC raceways for electric wiring and capping - access trap on each side of the partition.

Installation of power switches shall be carried out

- On the post for the glazed partition using a rounded adaptor (Legrand Mosaic type ref. 748.50) or Flat adaptor (Legrand Mosaic type, ref 748.61).

and/or

- For the filled partition, on the panel or on the post.

*CERFF: French Façade and Window Certification.



OPALE PARTITION WITH CAPPING

Volume fitting is obtained with 41 mm visible front aluminium capping (or 26.5 mm for half capping). The overall width of the partition is 78 mm. The capping is flush with the infill panels (except for specific capping designs).

Different joint cap models are available including flat flush, water droplet, grooved for wooden decor, wave with cabochons, etc.

The infill elements:

- Wood type or plasterboard panels (13 mm thick) covered with a rock wool type of insulation, 45 mm thick.
- Clear, decorated or screen printed, etc. 5 mm and 6 mm panes or security panes (6.8 mm and 8.8 mm) according to current standards.

The modules can be obtained with 1 or 2 glazed panels, with or without an incorporated Venetian blind.

Lower rails and baseboards:

Choice between:

U-shaped lower rails providing support for infill components, they are 41 mm high in harmony with the capping.

- The recessed rails allow raising of infill elements, leaving a 16 to 66 mm recess
- 110 mm electric baseboard: Allows electric wiring in 2 by 3 PVC raceways. The removable cap allows easy access to the cable circuits. The baseboard can also be installed in a vertical mullion.

COPALE PARTITION WITH TRIM CAP

On the same framework, volume fitting is obtained using trim caps, without visible trim cap, only the panels, separated by a 10 mm gap, are visible. The trim cap can be used in vertical and/or horizontal transoms.

The overall partition width is 92 mm.

Panels:

- 19 mm wood type panels
- Clear, decorated, screen printed, etc. security panes

The wooden and glazed panels can be combined and are flush. Technal patent.

OPALE PARTITION COMBINED CAPPING / TRIM CAP

Technal's exclusive Opale system permits the combination on the same partition framework of standard caps on one side and trim cap on the other.



THE DOORS

The Opale partition system accommodates 3 types of door:

- Wooden door, 40 mm thick
- Security glass door, 6.8 or 8.8 mm
- Aluminium framed doors
- Side opening for full or glazed infills, 4 to 21 mm
- Sliding partition for full or glazed infills, 5 to 19 mm

Operation and opening and closing of the opening frames is by

- “Push-pull” knob (Technal 3762 type) providing very easy door opening.
- Elliptical operating lever (Technal type 2065)
- “Vertical bar handle” 1.400 mm or 500 mm in aluminium or in wood and aluminium (Technal type CC017 / CC018)

The various handles can be equipped with locks.

With the Opale partition system, 2 opening frame options exist:

- Traditional hinged door with polyvalent door frame for all three door types making door replacement easier.

The reversible lift-off hinges allow adaptation of door opening direction. They are made of varnished or anodized aluminium with the same finish as the Opale partition.

1 or 2 leaves possible. The door frame and hardware resistance has been tested on 60,000 automatic opening/closing cycles.

- Sliding door: suspended sliding, it disappears between the partition panels. Without floor rail, the passage is completely free.

1 or 2 leaves possible. Maximum measurements: L2500 x 1200 mm, in relation to a maximum 100 kg weight per leaf.

The sliding module is independent. It can be implemented during installation or later for modification, or inversely, be transformed into a traditional module with a hinged door.

PERFORMANCE

- Partition system with capping:

European Technical Agreement for Internal Partition Kits for use as non-load-bearing walls (ETAG No. 003)

- Partition with trim cap system:

European Technical Agreement for Internal Partition Kits for use as non-load-bearing walls (ETAG No. 003)