Typology

Free-standing frame partition structure, adaptable for any layout and any requirement. Wide range of solid and glass modules, connecting elements, high power sound-proofing, compatible with all Estel partition systems.

Structure

The internal structure is composed of uprights, with upper and lower rails and other eventual horizontal crossbars.

UPRIGHTS:
The upright is a 8/10 thick galvanized steel sheet, equipped with slotted holes to allow inserting panels and passing cables.
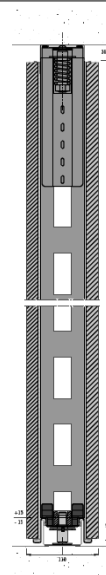
LOWER AND UPPER RAILS:
The uprights rest on a10/10 thick, pre-varnished lower and upper rail, which follows the entire length of the wall.

A soundproofing seal in adhesive pivilene is applied to the rail.

The lower levelling rail, in 15/10 thick pressed and galvanized steel, absorbs any non-linearity in the floor with a tolerance of -5 to +25 mm.

A galvanized steel pusher is inserted at the upper ends of the upright, reacting by means of a class C galvanized spring steel. This spring absorbs any non-linearity in the ceiling with tolerance from +15 to -15 mm.

Electrical Wiring

The structure of the partition wall allows the insertion of all cables in the enclosure within the lower rail The slotted holes provided on the uprights and side allow passing them horizontally and vertically. The technical module can be used for placing the electric sockets and switches.

Performance features

All the materials used in constructing the partition are in compliance with UNI norms and ensure a low formaldehyde emission

(Class E1).

The tests were carried out and certified in specialized CATAS type laboratories.

Soundproofing: standard solid wall Rw = 37 dB

solid wall soundproofing   (with wool mattress density 50 kg / mc) Rw = 46 dB

double glass wall: Rw = 41 dB

Category**: Divider Partition**
Article**: Solid Modules**

Sizes

W 60/80/100/120/160/180/200/240 cm (according to the module)
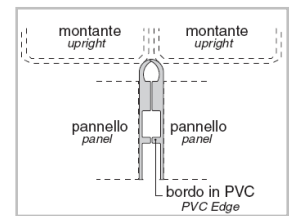
D: 11 cm

H: 228÷343 cm

Available finishings

Laminated: Silver, UE White, Oak, Dark Oak, Sucupira texture, Delavè texture, Comfort texture, Magnolia, Titanium

Lacquered: UE White, Titanium, Pearl Gray, Silver, Brown, Amaranth, Alfa Red, Orange, Azure, Cedar

Wood: Magnolia, Maple, Oak, Barrel Oak, Dark Oak, Black Walnut, Mahogany, Brown African Zebrawood, Ebony

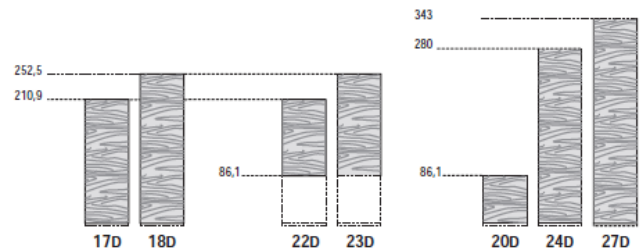**Glass:** Transparent, Frosted, Veneziana

Panels

LAMINATED:
the panel consists of UNI EN 309 particle board glued with mixtures of E1 type adhesives, hot-pressed, with a low formaldehyde content, coated with printed papers protected with melamine resin, anti-scratch and anti-glare. The panels are bordered with a special border in rigid PVC equipped with a soft edge on the side resting on the upright, to ensure sealing and sound-proofing.
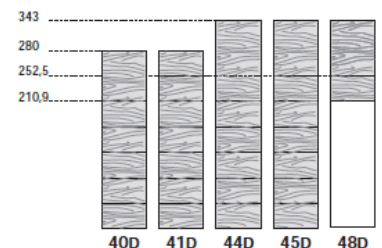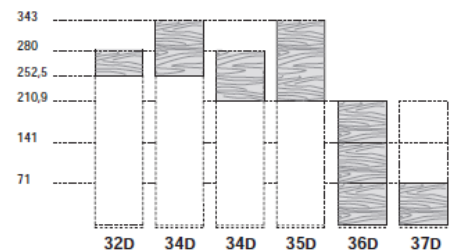
LACQUERED:
the panel consists of UNI EN 309 particle board glued with mixtures of E1 type adhesives with low formaldehyde content and hot-pressed, coated with printed papers protected and then varnished. The border is made of ABS also painted in the same finish as the panel. The varnished products are of polyurethane and transparent acrylic.

WOOD:
the panel consists of UNI EN 309 particle board glued with mixtures of E1 type adhesives with low formaldehyde content and hot-pressed, 6/10 thick wood veneer. The panels are bordered in the same wood finish as the panel. 10/10 thick edge veneer on all four sides; semi-matt acrylic open pore varnish (there is a soft bumper seal mounted along the whole the vertical extension of the upright).

Category**: Divider Partition**
Article**: Mixed Glass Modules**

Sizes

W: 60/80/100/120/160/180/200/240 cm (according to the module)

D: 11 cm

H: 228÷343 cm

Available finishes

Glass: Transparent, Frosted, Venetian

Frames: Natural Anodized Aluminium , UE White Painted Aluminium , Polished Aluminium

Blinds: same finish as the frame

Frames

GLASS FRAMES:
5 mm thick tempered transparent or frosted glass mounted on epoxy powder coated aluminium or anodized steel frames.
The glass frame module is available in double-glass, double glass with blinds, double bonded glass.
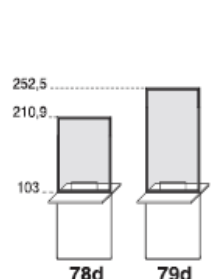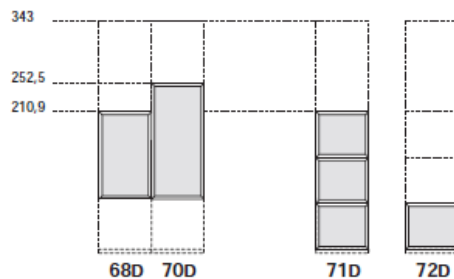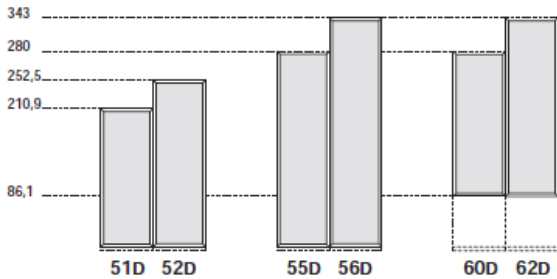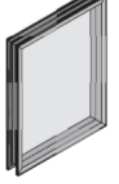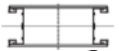
VD: vetro doppio
Double glazed

VT: vetro doppio
con veneziana
*Double glazed
built in venetian blind*

telaio vetro doppio
incollato

Category: **Dividing patition**

Article: **Doors**

Sizes

W: 100/120/200 cm

D: 11 cm

H: 228÷343 cm

Available Finishes

Laminated: Silver, UE White, Magnolia, Oak, Sucupira texture, Delavè texture, Comfort texture, Dark Oak

Lacquered: UE White, Titanium, Pearl Gray, Silver, Brown, Amaranth, Alfa Red, Orange, Azure, Cedar

Wood: Magnolia, Maple, Oak, Barrel Oak, Dark Oak, Black Walnut, Mahogany, Brown African Zebrawood, Ebony
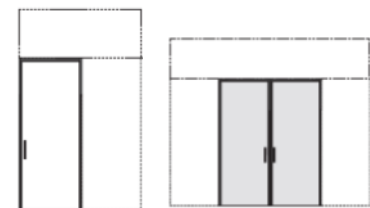
Glass: Transparent, Frosted

Types

SOLID SWING DOOR: 48 mm thick hollow-core wood with triple regulation steel hinges, with extruded aluminium frame. The lower edge seal is equipped with a gate that lowers when the door is closed for maximum sound-proofing.

GLASS SWING DOOR: transparent or frosted tempered glass, from 8 mm (up to H 210.9) and 10 mm (up to H 310), with triple adjustment hinges.

DISAPPEARING SLIDING DOOR: single or double, tempered transparent or frosted glass, 8 mm (up to H 210.9cm) and 10 mm (up to H 310 cm) or 28 mm thick solid, hollow-core.
The doors are suspended from an upper carriage, integrated in the blind element above the glass of the door. Also available a mechanism for synchronized opening and closing.

OVERLAPPING SLIDING DOOR: tempered transparent or frosted glass, 8 mm (up to H 210.9cm) and 10 mm (up to H 310 cm). Sliding is ensured by a lateral carriage with a Teflon bearing concealed in the casing and parallel to the anchoring system of the fixed plate.

ESTEL

Category: **Partition with integrated storage**

Sizes

W: 60/100/120 cm

D: 46.2 cm

H: 228÷343 cm

Types

Wall system with lever bolt locks to ensure that the doors close perfectly along their entire length, shelves, inside drawers, door folder, archivers and removable files: a comprehensive and functional accessories for rational and efficient organization of office work, dedicated to recovering space, personalization and easily accessing documents.
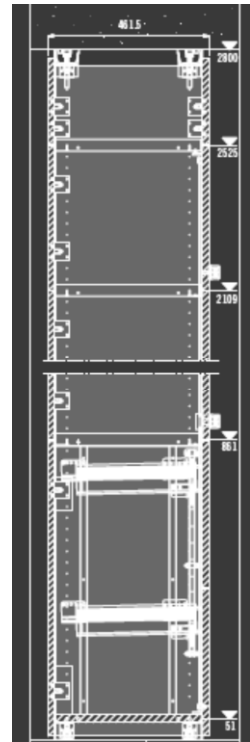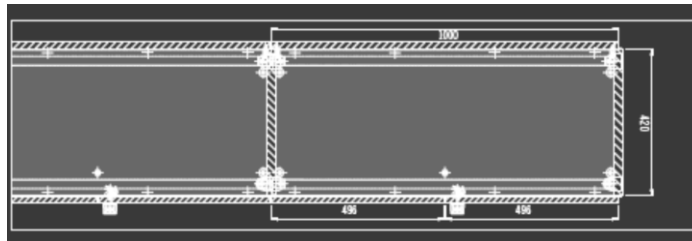
Structure

LOWER AND UPPER RAILS:

10/10 thick pre-painted sheet metal upper and lower rails, the rails are applied along the entire length of the wall. The height adjusting feet are still accessible after mounting to the wall and the pusher on the ceiling is equipped with a spring that absorbs eventual oscillations of the ceiling;

SIDES and BOTTOM:

Side and bottoms are made of particle board panels laminated with 2.2 cm thick melamine with border in rigid co-extruded and 1 mm soft seal;

TOP and SHELVES:

Movable shelf, bottom and top shelves where the doors touch are in 10/10 thick epoxy powder coated sheet metal; the thickness of the shelf is 3 cm. The movable shelves are predisposed for hanging suspended folders.

Electrical wiring

Electrical wiring
Use the technical module for placing electrical outlets and switches behind the doors.

Performance characteristics

Performance characteristics
All the materials used in constructing the partition are in compliance with UNI norms and ensure a low formaldehyde emission (Class E1).
The tests were carried out and certified in specialized CATAS type laboratories.

WALLTECH – Storage Partition

Category: **Partition with integrated storage**

Article: **Modules**

Sizes

W: 60/100/120 cm

D: 46.2 cm

H: 228÷343 cm

Available finishes

Laminated: Silver, UE White, Oak, Dark Oak, Sucupira texture, Delavè texture, Comfort texture, Magnolia, Titanium

Lacquered: UE White, Titanium, Pearl Gray, Silver, Brown, Amaranth, Alfa Red, Orange, Azure, Cedar

Wood: Magnolia, Maple, Oak, Barrel Oak, Dark Oak, Black Walnut, Mahogany, Brown African Zebrawood, Ebony

Glass: Transparent

Doors and Backs

LAMINATED: panels consist of 18 mm thick particle board bonded with blends of E1 type adhesives with a low formaldehyde content and hot-pressed, coated with printed papers protected with anti-scratch and anti-glare melamine resin. The panels are bordered with a 1 mm PVC edge on all four sides.

LACQUERED: the panel consists of UNI EN 309 particle board bonded with mixtures of E1 type adhesives with low formaldehyde content and hot-pressed, coated with printed papers protected and then varnished. The border is made of ABS also painted in the same finish as the panel. The products are varnished with polyurethane and transparent acrylic.
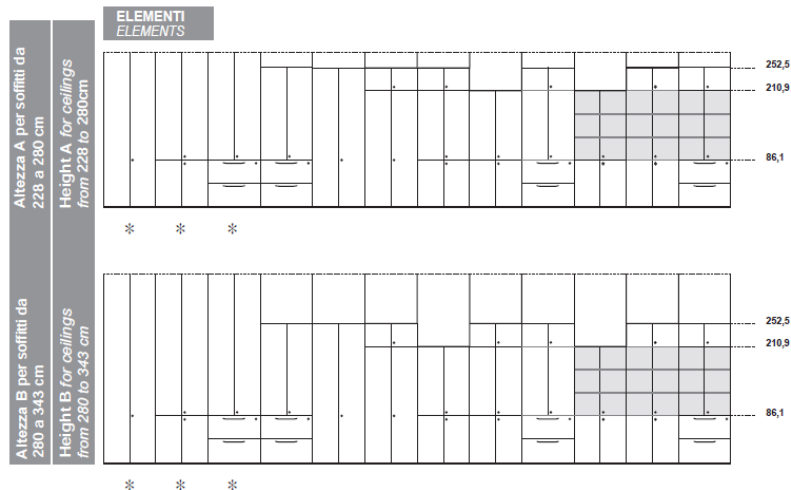
ESSENCE: panels consist of 18 mm thick particle board bonded with blends of E1 type adhesives with a low formaldehyde content and hot-pressed, with 6/10 thick veneer. The panels are edged in wood with the same finish as the panel. 10/10 thick edge veneer on all four sides; semi-matt acrylic open pore varnish.

GLASS: The upper cabinet doors are in 5 mm thick tempered glass, with nickel-plated hinges. They are equipped with bolt lock with folding key.
The entirely solid doors are equipped with a rotating rod lock with knob equipped with a removable latch.
The upper cabinet doors and solid doors have basic bolt lock with knob with removable latch.
The upper cabinet doors are equipped with bolt lock with folding key.

Category: **Partition with integrated storage**

Article: **Doors**

Sizes

W: 100/120 cm

D: 46.2 cm

H: 210÷310 cm

Available finishes

Laminated: Silver, UE White, Oak, Dark Oak, Sucupira texture, Delavè texture, Comfort texture, Magnolia, Titanium

Lacquered: UE White, Titanium, Pearl Gray, Silver, Brown, Amaranth, Alfa Red, Orange, Azure, Cedar

Wood: Magnolia, Maple, Oak, Barrel Oak, Dark Oak, Black Walnut, Mahogany, Brown African Zebrawood, Ebony
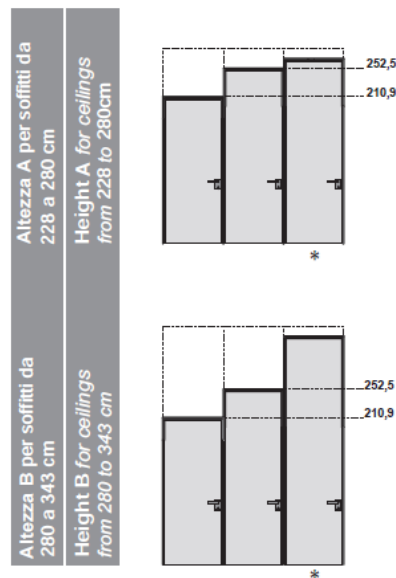
Glass: Transparent, Frosted

Frame: Natural Anodized Aluminium , UE White painted Aluminium, Polished Aluminium

Types

SOLID SWING : 48 mm thick hollow-core with triple regulation steel hinges , with extruded aluminium frame. The lower edge is fitted with a seal that lowers when the door closed for maximum sound-proofing.

GLASS SWING DOOR: transparent or frosted tempered glass, from 8 mm (up to H 210.9 cm) and 10 mm (up to 310 cm), with triple adjustment hinges.

Handles and hinges

SOLID DOOR HANDLE: Handle with integrated lock, anodized aluminium or steel finish with resin washers. On the inner side there is a lock release knob handle, while on the outer side there is cylinder lock.

GLASS DOOR HANDLE: the same handle used for solid doors plus an adapter for glass doors in anodized aluminium. On the inner side there is a lock release knob handle, while on the outer side there is cylinder lock.

WOODEN DOOR HINGES: hinges with triple regulation support.
GLASS DOOR HINGES: hinges with triple regulation hinge.