



PRODUCT DESCRIPTION

IDEA partition system is made of single seamless glass panels, framed in aluminum structure, self-bearing, with independent construction components, fitted with polycarbonate sealing joints. These walls secure a good acoustic performance and provide a satisfactory clear-cut aesthetics, with the vertical and horizontal profiles on the perimeter connections.

The structural framing of IDEA system is available with two alternatives of ceiling channels, simple 36 mm. profile, or adjustable telescopic track, ceiling-mounted, with a range of +/- 15 mm. to compensate the deflection of floors and ceilings. The system is similar to NEXUS in its performance but it differs by the rounded shape of the ceiling telescopic track.

PRODUCT FEATURES AND CONSTRUCTION

IDEA Partition system, 36 mm. thick, is composed of one layer of 10 or 12 mm. glass panels, made of structural laminated glass or toughened glass, float or low iron, supplied accordingly to the project specifications.

The supporting glass holder, is made of pre-treated first grade aluminium, with the lower horizontal member fixed to the floor and the top channel, simple or adjustable telescopic track, connected to the glass panels are fitted in place, both sides, and are secured to the main frame with fixing covers. Vertical members, of the same section 36x36 mm., are required only at the start and at the end of the wall.

IDEA system doesn't provide upper adjustment or side panels adjustment. Each element is made to measure according to the needs of the construction site. The vertical joints connecting the modules and those on the corners, all in rigid transparent extruded polycarbonate, are fitted with a double strip of double-sided adhesive tape, to enable secure fixture to the panel elements. This joining system significantly improves structure stability and resistance to horizontal stress.

The door frames are made of pre-treated extruded aluminium, shaped to mount the panel elements, and perfectly assembled, are fitted with proprietary pivot hinges, handles and locks to specification. The door leaves, solid, single or double glazed, are fitted flush with the external surface of the wall. The perimetral coextruded gasket, provides the necessary acoustic requirement. Door frames can be fitted with a variety of accessories, door closers, drop seals, mag locks, electric strikes, card readers, etc.

TECHNICAL SPECIFICATIONS

Wall thickness	36 mm.
Maximum height	3000 mm. for full height glass panel
Width of modules	300 to 1500 mm.
Average weight	31 Kos. Per sq. meter

Telescopic ceiling track	90 mm (+/-15)
Floor track	36 mm.
Wall starter	36 mm.
Polycarbonate joiners	4 mm.

Glass thickness (toughened)	10 mm. 12 mm.
Laminated glass thickness	10,38 mm. 12,38 mm.
Acoustic laminated glass thickness	12,76 mm.
Toughened glass for door	12 mm.
Solid and double door leaf	45 mm.

Ceiling adjustment	+/- 15 mm. with telescopic track
Side/wall adjustment	+/- 10 mm.