mediline

Construction
BI-PANEL ELEMENTS

Uprights:
steel sections, 1.2 mm thick.

Thickness:
80mm / 100mm / 200mm

Steel frame:
Galvanized steel studs and cross profiles.

Panels:
12.5 mm plasterboard bonded on reverse of each panel skin..

Internal filler:
Rock wool.

Floor channels:
Recessed / flush steel profiles

Ceiling channels:
Recessed / flush steel profiles

Skirting:
Recessed steel floor tracks

Glass panels:
Double-glazed steel frames, different section forms, Several types and thicknesses of glass available, standard glass thickness: 6mm + 6mm clear toughened glass

Door panels:

Steel frame: 1.2mm thick

Leaf steel: glass or timber, with

adjustable base drop seal.

Optional: solid leaf or flush glazed

JUNCTION
6 mm wide. Vinyl or steel seal.

Finish
Skins: Vinyl coated Steel 0.75mm

Colour
Range of plain colors, steel finishes, timber finishes, fabric finishes & stone finishes

Geometrical features
DIMENSIONS
Height: Bi Panel up to 4000 mm.
Width: 1000 mm for solid & glazed panels

Installation features
TOLERANCES

floor:	± 15 mm
ceiling:	± 15 mm

CONNECTION OF PANEL TYPES
The panels skins are friction locked on to the vertical stud giving a 4mm gap between each panel skin

INTEGRATION OF ELECTRICAL AND DATA SERVICES

The top and bottom channels allow the horizontal passage for electric wiring through the partition.

Service panel with removable skins allows the installation and integration of electric switches and power sockets.

Working wall features

WORKING WALL
Solid panel vertical junctions can accommodate a concealed racking upright that facilitates the support of furniture items such as shelving, storage units and desking. The upright can be retrofitted and relocated if required.

OPTION: INSERT PANELS
The insert panel design option allows various finishes to be installed into the wall face. The panel finish can be of steel painted/perforated, timber, fabric or leather.

Use
Whiteboards, drawings, pinboards, presentation material etc. magnetically fixed to the partitions.

The vinyl coated finish of the partitions means they can be cleaned easily by using a rubber squeegee and a mild detergent.

Acoustics
WEIGHTED AIRBORNE SOUND REDUCTION INDEX

Double glazed panel (80mm):
Rw (C; Ctr) = 39 (-1;-5) dB

Solid panel (80mm):
Rw (C; Ctr) = 38 (-2;-8) dB

Solid panel (80mm):
Rw (C; Ctr) = 45 (-4;-11) dB
(with packed voids)

Solid panel (100mm):
Rw (C; Ctr) = 43 (-2;-7) dB

Solid panel (100mm):
Rw (C; Ctr) = 46 (-2;-7) dB
(with 75mm rockwool)

Solid panel (100mm):
Rw (C; Ctr) = 48 (-9;-9) dB
(with 60mm rockwool &
RS 80 universal slab)

Solid panel (200mm):
Rw (C; Ctr) = 54 (-1;-6) dB
(with 160mm rockwool
RWA45 insulation)

Further enhancements can be made to increase the sound reduction index, guidance can be given on request.

Fire
SURFACE SPREAD OF FLAME:
BS 476-7 to class 0

FIRE RESISTANCE
Dependent on design characteristics up to:

Solid panel (100mm): 60 minutes
Solid panel (100mm): 90 minutes
Solid panel (200mm): 120 minutes

Double glazed (100mm): 60 minutes
Triple glazed (200mm): 90 minutes

Steel Doors: 90 minutes

In accordance with BS Test standards.