



Double Skin Partitioning System

The Double Skin Partitioning System is an integrated double skin steel partition system where a smooth internal and external finish, with minimal joints, is required.

The system is suitable for a wide range of applications including security areas, offices, storage areas, factory dividing walls and clean room applications such as food or chemical production areas.

The system is quick and easy to construct and comes standard with high performance single or double door sets.

The panels have a 20mm leg for adjustment and sit into a floor channel, with an option of laminate skirting, and locates into adjacent panels by means of an internal steel biscuit making installation fast, simple and secure. Our standard range comes in a wide variety of width options. However, standard configurations do not always fit into required spaces, therefore, the non-standard or bespoke design is always an option. This system is also available in various vertical configurations – all solid, solid/glass or solid/glass/solid.

Key Features



Suitable for a wide range of applications



Flexible configurations



Demountable & relocatable



Quick & easy construction



Powder coated



Standard & bespoke panel options available



Ceiling solutions



Robust & durable



Rack Storage Systems Ltd, 25 Burrowfield, Welwyn Garden City AL7 4SS

- Mesh Partitioning
- Security Cages
- Single Skin Partitioning
- Double Skin Partitioning
- Anti-Collapse Mesh Systems
- Barrier Systems
- Mesh Shelves
- Ceiling Systems

More Information

Standard Elevations

All solid, half glazed or solid/glass/solid.

All panels manufactured using Galvanised steel as standard.

Standard Panel Sizes

- Height: 2440mm, 2700mm, 3000mm
- Width: 950mm, 500mm & 300mm
- Dado height: 1086mm
- Panel thickness: 50mm nominal

Non standard widths and heights can be accommodated to order.

Glass

- Glass retained with steel glazing bead and glazing foam
- 6.4mm laminate as standard
- Toughened glass and perspex can be supplied on request

Doors

Frames

- Extruded aluminium
- Powder coated finish

Leaves

- Galvanised substrate
- Powder coated finish

Vision Panels

- 430x430
- Picture frame beading
- Visible opening

Other vision panel options are available.

Other Features

- Polished anodised aluminium handle - 19mm level on back plate
- Stainless steel hinges
- Mortice sash locks
- Euro profile cylinder: Key one side, thumb turn on the other

Sliding doors and automatically operated doors also available.

Paint Finish

All panels, doors and components are electrostatically powder coated.

Panel Core

High density mineral fibre core RW45 rigid slab as standard. Options of cardboard honeycomb core along with options of bonding cores, including factory fitted timber inserts for additional fixing strength.

Mullion Posts

for 2 way, 3 way and corner junctions:
50 x 50mm RHS or 100 x 50mm RHS
Complete with base plates as necessary.

Sound Testing

	Rw
Solid partition with 50mm insulated panels	34dB
Solid partition/single glazed 6.4mm laminated glass window unit and 50mm insulated panels	31dB
Solid partition/flush double glazed unit 4mm toughened glass and 50mm insulated panels	31dB
Solid partition with a steel door and single glazed vision panel 6.4mm laminate glass and 50mm insulated panels	31dB
Solid partition with a steel door and flush double glazed vision panel 4mm toughened glass and 50mm insulated panels	32dB



Window detail



Hidden joint



Pre-made head & base corner channels

Product Specification

How the System Works

Panels are constructed using a 1.0mm internal channel faced with 0.8mm (21g) Galvanised steel sheets with a 50mm high density Rockwool slab infill. Panels are connected to each other by means of an internal section making the installation very quick and simple. The internal panel connection offers additional rigidity and a wire way facility.

Pre made head and corner sections provide a neat finishing detail along with speeding up installation.



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