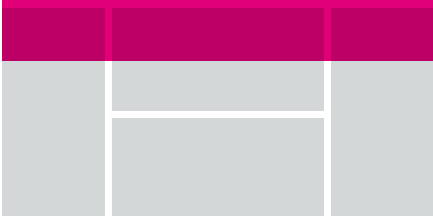
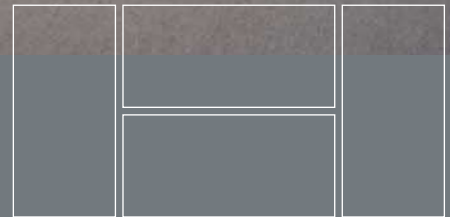




# Mistral

Workspace redefined



The **Mistral** system from Optima, designed and supplied for many years under the Unilock brand, is ideal for those projects requiring a combination of high performance, elegant detailing yet low cost. Mistral offers unrivalled technical performance and a high degree of flexibility in configuration, aesthetic finishes and accessories.

Mistral can be constructed in double glazed or solid form. Solid panel options are **framed**; where panels are joined with a powder coated steel top hat section, or **flushwall**; where panels are either v-jointed or the joints are taped and filled. The demountable 80mm pre-decorated gypsum or steel faced boards are fixed to a framework of rigid studs located between ceiling and floor tracks. Mistral is designed to be easily and quickly demounted and re-installed, ensuring minimal disruption during construction and any relocation, whilst offering tax benefits to the client.

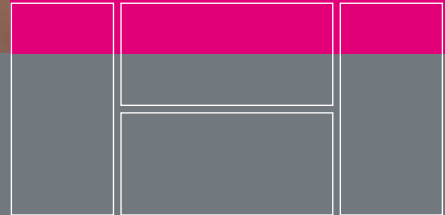
mistral



Maximum visual and acoustic privacy were essential elements for this bank's administrative offices. Mistral high performance partitions with additional acoustic infill and adjustable blinds answered the brief perfectly, whilst fine detailing such as the pale veneered door leaves created an impression of quiet, calm style.

## Mistral

Workspace redefined



The crisp, simple detailing of Mistral crosswalls with discreet v-joints transformed this training room and provided a functional and flexible solution at the same time. High levels of acoustics were achieved on both the crosswalls and the double glazed Mistral office fronts.



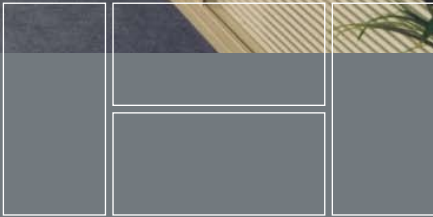
This project required a flexible, cost effective system that could provide a creative, yet private environment. Luminescent opal manifestation framed by smooth, white profiles, proved the ideal solution.



Speed of build and high levels of acoustics were critical here, so framed Mistral partitions with top hat sections between the panels offered the ideal solution.

# Mistral

Workspace redefined



A high degree of acoustic performance was required to separate a quiet area from the energetic open plan office at this major telecoms company. Full height glazing set within stylish aluminium skirting and head tracks gave a simple feeling of quality, whilst the adjustable blinds enhanced visual privacy.

# Mistral Data

## Framing elements

Studs and tracks are formed from cold-rolled galvanised steel. All exposed sections are pre-finished with a polyester powder coating.

## Solid Panels

Non fire rated and half hour fire rated partitions in both framed and flushwall construction use 12.5mm gypsum board. The maximum panel width is 1213mm.

## Glazing

Double glazing modules are suitable for 6mm toughened or 6.4mm laminated glass. The glass is installed flush to the face of the partition. Blinds can be incorporated within the cavity; alternatively, an applied manifestation can be specified.

## Maximum Height

3000mm maximum height for glazed panels, solid panels and door sets.

## Fire Resistance

Mistral glazing, solid panels and door sets have been tested to achieve 30 minutes fire resistance in accordance with BS 476: Part 22.

## Surface Spread of Flame

The gypsum board panels have a Class 1 surface for spread of flames when tested in accordance with BS 476: Part 7:1971 and offer a Class 0 specification when tested to BS 476: Part 6:1968.

## Wire Management

Power and data cables can be accommodated within the cavity of the partition or behind the skirting. Switches and sockets may be fitted flush or surface mounted and switch posts can be used adjacent to door frames if required.

## Interpanel Joints

**Framed solid and glazed panels** – polyester powder coated top hat section at the panel joints. Fixings are concealed with a self coloured PVC insert. The steel top hat section is fastened to the structural stud with self-piercing screw fixings.

**Flushwall solid** – V-Joint detail between the panels, or taped and filled joints. A steel spring clip secures the gypsum board substrate back to the rolled steel stud.

## Skirting Options

The standard is a 55mm PVC clip-on skirting; alternatively, an 80mm powder coated aluminium section can be used. A recessed base detail is also available if preferred.

## Doors

Pre-fabricated, polyester powder coated door frames are constructed from extruded aluminium. Frames are fitted with PVC slamming gaskets and are designed to retain intumescent strips where a 30 minute fire rating is required.

## Working Wall

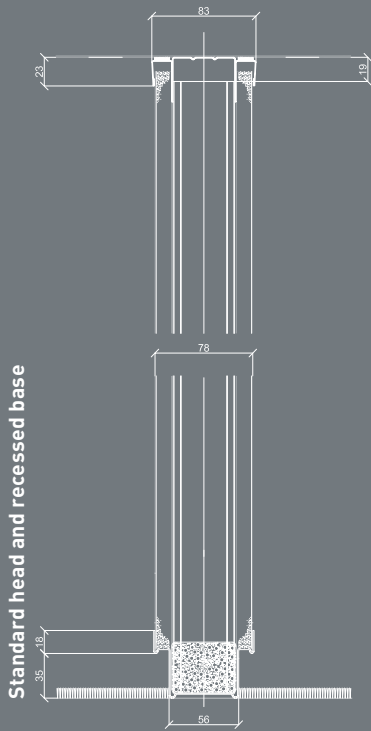
The top hat section can be provided with a ladder track to support shelving. Reinforcement to studs is necessary when heavy loads are to be supported. Lightweight fixings can be made direct to the panels using appropriate fasteners.

## Acoustics

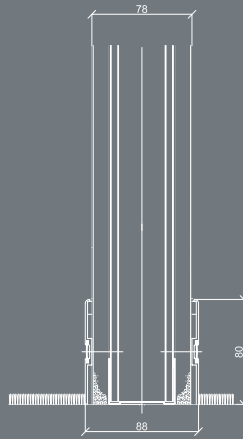
All acoustic tests are conducted in accordance with ISO140/ISO717.

Construction	Weighted SRI
<b>Framed 80mm single skin:</b>	
Empty Cavity	Rw37dB
25mm glass fibre blanket of 16kg/m3	Rw43dB
40mm Rockwool slab of 60kg/m3 density	Rw46dB
<b>Flushwall 80mm single skin:</b>	
Empty Cavity	Rw38dB
25mm quilt (as above)	Rw45dB
40mm slab (as above)	Rw46dB
<b>Glazed modules:</b>	
2 x 6mm glass	Rw36dB

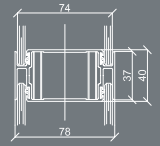
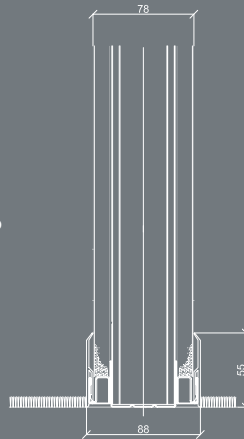
# Mistral Data



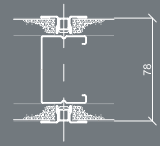
80mm aluminium skirting base



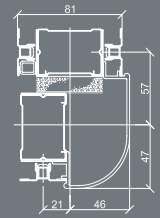
55mm PVC skirting base



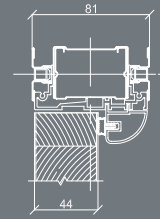
Transom detail



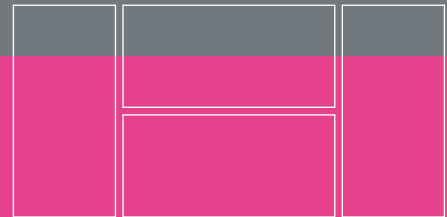
Modular junction



Radiused corner



Standard height door head



# Mistral

Workspace redefined



This is the Mistral door frame, with a solid veneered timber door leaf, fitted with Classic range stainless steel door handle. The image shows the subtle curved detailing of the Mistral door frame, featuring a slimline recessed strike box and unique Mistral hiload hinges – completely concealed within the door frame profile.

mistral

Mistral

Workspace redefined

