



SAS International Ltd

n55Plus

## System 5000

By SAS International Ltd

### Detailed description

Factory engineered, relocatable partition system, with double glazing or solid panels, offering acoustic and fire performance capabilities.

Nominal 107 mm (wide) footprint, based on a 1200 mm module, in machined MDF for stability and consistency. Visible surfaces of frame sections veneered in hardwood, offering consistent finish. Solid elevations formed using galvanized steel stud profiles faced with gypsum plasterboard with System 5000 trims and skirting profiles.

- Fire resistance of complete system: solid – 30 minutes insulation and integrity; glazed – 30 minutes integrity only; door sets – 30 minutes integrity only.
- Surface spread of flame: dependent on covering.
- Sound insulation: up to 43 Rw dB for solid partitioning; up to 44 Rw dB for glazed partitioning.
- 3000 mm maximum panel height.
- Reconstruction facilitated by clip-on joint trims, skirting and framework, and assembly using concealed brackets.
- Non-tropical hardwood veneer to frame, pre-finished in clear lacquer.
- Solid panels can receive a wide range of wall coverings.
- Coordinating TruDoors available – consult SAS for details.
- Glass manifestation and integral (between glass) horizontal blinds can be provided.
- Accessible cable route within glazing base profile, concealed by skirting.
- Pre-engineered lengths allow flexible construction of modules.

Glazed elevations utilize veneered MDF profiles for both non-fire rated and 30 minutes fire rated double glazed construction.

### Product guidance - As Standard

Framing, abutments, skirtings, sills, trim and base:

- Machined MDF profiles, wood veneer wrapped.
- Skirtings/ Sills: 15 mm thick.
- Junctions: Secret fix radiused 135 degree.
- Wall abutments: Solid, fully glazed or part-glazed panels; two part MDF head/ wall section, wood veneer wrapped.
- Matching wood veneer wrapped cover beads to internal/ external corners.
- Base section: two part machined MDF profiles form a cable way either side of central support, cloaked by skirting.
- Trims secured at 300 mm centres using 3 mm x 30 mm screws and plastic retaining clips. Fire rated partitions have steel retaining strip applied between frame and trim, secured at 300 mm centres.

Solid panels:

- Thickness: 107 mm (nominal).
- Module size: 1200 mm (nominal). Note: For solid panels modules are 1185 mm for square edge boards and trims, and 1200 mm for taper edge boards.
- Joint treatment: Vertical joints fixed to frame at 300 mm centres using 25 mm drywall screws taped over, and

plaster skimmed to achieve seamless appearance.

#### Glass and glazed panels:

- Glazed panels are double glazed.
- All glass conforms to Building Regulations, Approved Document N (1991), Code of Practice BS 6206: 1981, BS 6262: 1982 and, where applicable, to BS 476-22: 1987.
- Module size: 1200 mm (nominal).

#### Doorsets:

- Solid doors: 44 mm thick.
- Cellular doors: non-fire rated.
- Radiused doorframe, 90° and 135° degree corner posts. Radiused edges feature on all exposed sections.
- Supplied pre-mitred and machined to accept standard hinge; biscuit joints at head for alignment of sections. Intergral doorstop comes with PVC-U door seal/ cold smoke seal.
- 30 minute fire rating achieved with introduction of door closers, intumescent seals fitted within door frames and meeting edges of double doorset and overpanels, all in accordance with SAS partitioning certification.

## Options

#### Fire performance:

- Maximum fire resistance of complete system: solid – 30 minutes insulation and integrity; glazed – 30 minutes integrity only; door sets – 30 minutes integrity only; consult SAS for options.
- Surface spread of flame: Dependent on covering; consult SAS for options.

#### Sound Insulation:

Glazed partitions up to 44 Rw dB; solid up to 43 Rw dB. All to BS EN ISO 140-3:1995 and rated in accordance with BS EN ISO 717/1:1997. Consult SAS for options.

#### Partition height:

Variable, 3000 mm maximum; consult SAS for details.

#### Partition abutments:

Consult SAS for details and recommendations.

#### Frame veneer:

Non-tropical options of: American white oak; ash; maple; and steamed beech. Consult SAS for further options.

#### Solid panels:

Finish/ Colour: plasterboard surface to receive finishes detailed in sections elsewhere unless a pre-finish is specified; consult SAS for details.

#### Doors:

- 'Fast fit' and glass doors; consult SAS for details.
- Overhead closers required for fire doors.
- Range of natural wood veneers; consult SAS for details.
- Vision panels: consult SAS for options for apertures and glazing.
- Ironmongery: consult SAS for options.

#### Manifestation:

To Building Regulations, Approved Document N2. Acid etched glass or film, to client requirements; consult SAS for details

and recommendations.

Cable management and outlets:

Consult SAS for details.

Other requirements:

Cavities can be filled to achieve sound reduction targets; consult SAS for details.

**Product specification**

Manufacturer

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Product reference System 5000

Fire performance [\_\_\_\_\_]

Resistance of completed system to BS 476-22 Unrated  
30 minutes integrity and insulation - Solid panels only.  
30 minutes integrity - Doorsets or glazed panels only.  
As drawing \_\_\_\_

Surface spread of flame to BS 476-7 Class 0  
As drawing \_\_\_\_

Resistance of completed system to BS 476-22 Unrated  
30 minutes integrity and insulation - Solid panels only.  
30 minutes integrity - Doorsets or glazed panels only.  
As drawing \_\_\_\_

Surface spread of flame to BS 476-7 Class 0  
As drawing \_\_\_\_

Sound insulation [\_\_\_\_\_]

Resistance of completed system to BS EN ISO 140-3 43 Rw dB  
44 Rw dB  
Unrated  
As drawing \_\_\_\_

Resistance of completed system to BS EN ISO 140-3      43 Rw dB  
44 Rw dB  
Unrated  
As drawing \_\_\_\_

Partition height      As drawing \_\_\_\_ - 3000 mm maximum.

Partition abutments      [\_\_\_\_\_]

Head      As drawing \_\_\_\_

Deflection allowance      [\_\_\_\_\_]

Floor      As drawing \_\_\_\_

Wall/ Vertical structure      As drawing \_\_\_\_

Head      As drawing \_\_\_\_

Deflection allowance      [\_\_\_\_\_]

Deflection allowance      [\_\_\_\_\_]

Floor      As drawing \_\_\_\_

Wall/ Vertical structure      As drawing \_\_\_\_

Frame veneer      American white oak  
Ash  
Maple  
Steamed beech  
As drawing \_\_\_\_

Skirtings/ Sills      [\_\_\_\_\_]

Veneer      American white oak  
Ash  
Maple  
Steamed beech  
As drawing \_\_\_\_

Veneer	American white oak Ash Maple Steamed beech As drawing ____
Trims	[ _____ ]
Horizontal at head	12 mm thick 15 mm thick 18 mm thick As drawing ____
Vertical	12 mm thick 15 mm thick 18 mm thick As drawing ____
Veneer	Not applicable American white oak Ash Maple Steamed beech As drawing ____
Horizontal at head	12 mm thick 15 mm thick 18 mm thick As drawing ____
Vertical	12 mm thick 15 mm thick 18 mm thick As drawing ____
Veneer	Not applicable American white oak Ash Maple Steamed beech As drawing ____
Solid panels	Not required Single layer 12.5 mm plasterboard each side of studs Double layer 12.5 mm plasterboard each side of studs As drawing ____
Finish	Not applicable As section M52 As section M60 As drawing ____

Joint treatment	<p>Not applicable                  Single line                  Shadow line                  Taped and filled                  As drawing ____</p>
Finish	<p>Not applicable                  As section M52                  As section M60                  As drawing ____</p>
Joint treatment	<p>Not applicable                  Single line                  Shadow line                  Taped and filled                  As drawing ____</p>
Glazed panels	<p>Full height glazed                  Banded glazed at ____ mm centres                  Glazed from skirting to door head height                  Mid glazed to door head; dado to be at ____ mm from finished floor level                  Half glazed from dado ____ mm from finished floor level to full height                  Top glazed from door head to full height                  As drawing ____</p>
Glass types	<p>6.4 mm clear, laminated glass, Class B to BS 6206 - Non-fire rated.                  6 mm clear, toughened glass, Class A to BS 6206 - Notn-ire rated.                  6 mm Pyran S glass, Class A to BS 6206 - 30 minute fire rated.                  Pyroswiss Fire Star glass, clear, Class A to BS 6206 - 30 minute fire rated.                  6 mm clear Pyrocet glass, Class A to BS 6206 - 30 minute fire rated.                  6.7 mm Pyroshield glass, Class C to BS 6206 - 30 minute fire rated.                  As drawing ____</p>
Integral venetian blinds	<p>Not required                  15 mm perforated slat                  15 mm plain slat                  25 mm perforated slat                  25 mm plain slat                  As drawing ____</p>
Controls	<p>Not applicable                  Brushed aluminium                  Polished aluminium                  Polished brass                  Satin anodized                  As drawing ____</p>
Glass types	<p>6.4 mm clear, laminated glass, Class B to BS 6206 - Non-fire rated.                  6 mm clear, toughened glass, Class A to BS 6206 - Notn-ire rated.                  6 mm Pyran S glass, Class A to BS 6206 - 30 minute fire rated.                  Pyroswiss Fire Star glass, clear, Class A to BS 6206 - 30 minute fire rated.                  6 mm clear Pyrocet glass, Class A to BS 6206 - 30 minute fire rated.                  6.7 mm Pyroshield glass, Class C to BS 6206 - 30 minute fire rated.                  As drawing ____</p>
Integral venetian blinds	<p>Not required</p>

	Not required 15 mm perforated slat 15 mm plain slat 25 mm perforated slat 25 mm plain slat As drawing ____
Controls	Not applicable Brushed aluminium Polished aluminium Polished brass Satin anodized As drawing ____
Controls	Not applicable Brushed aluminium Polished aluminium Polished brass Satin anodized As drawing ____
Doorsets	[ _____ ]
Fire rating	30 minutes fire rated Non-fire rated As drawing ____
Arrangement	Single leaf One and half leaf Double leaf As drawing ____
Overpanel	Not required Glazed Solid As drawing ____
Frame veneer	Not applicable American white oak Ash Maple Steamed beech As drawing ____
Doors	Fast fit cellular - Non-fire rated. Fast fit glass - Non-fire rated. Fast fit solid core - Non-fire rated. Fast fit FD30 - 30 minute fire rated. Cellular - Non-fire rated. Glass - Non-fire rated. Solid core - Non-fire rated. FD30 - 30 minute fire rated. As drawing ____
Height	Full height - 3000 mm maximum overall height.

Metric - 2040 mm.  
Standard - 1981 mm.  
As drawing \_\_\_\_

Meeting stiles

Not applicable  
Rebated  
Square edge  
As drawing \_\_\_\_

Door veneer

Not applicable  
American white oak  
Ash  
Maple  
Steamed beech  
As drawing \_\_\_\_

Vision panels

[ \_\_\_\_\_ ]

Aperture shape and dimensions

Not applicable  
Circular \_\_\_\_ mm diameter clear area - 450 mm maximum diameter.  
Square \_\_\_\_ mm clear area  
Rectangular \_\_\_\_ mm high x \_\_\_\_ mm wide clear area  
As drawing \_\_\_\_

Aperture number

Not applicable  
As drawing \_\_\_\_

Location

Not applicable  
As drawing \_\_\_\_

Glazing

6.4 mm laminated glass, Class B to BS 6206 - Non-fire rated.  
7 mm Pyroshield, wired, Class C to BS 6206 - 30 minute fire rated.  
As drawing \_\_\_\_

Ironmongery

As drawing \_\_\_\_

Fire rating

30 minutes fire rated  
Non-fire rated  
As drawing \_\_\_\_

Arrangement

Single leaf  
One and half leaf  
Double leaf  
As drawing \_\_\_\_

Overpanel

Not required  
Glazed  
Solid  
As drawing \_\_\_\_

Frame veneer

Not applicable

American white oak  
Ash  
Maple  
Steamed beech  
As drawing \_\_\_\_

Doors

Fast fit cellular - Non-fire rated.  
Fast fit glass - Non-fire rated.  
Fast fit solid core - Non-fire rated.  
Fast fit FD30 - 30 minute fire rated.  
Cellular - Non-fire rated.  
Glass - Non-fire rated.  
Solid core - Non-fire rated.  
FD30 - 30 minute fire rated.  
As drawing \_\_\_\_

Height

Full height - 3000 mm maximum overall height.  
Metric - 2040 mm.  
Standard - 1981 mm.  
As drawing \_\_\_\_

Meeting stiles

Not applicable  
Rebated  
Square edge  
As drawing \_\_\_\_

Door veneer

Not applicable  
American white oak  
Ash  
Maple  
Steamed beech  
As drawing \_\_\_\_

Height

Full height - 3000 mm maximum overall height.  
Metric - 2040 mm.  
Standard - 1981 mm.  
As drawing \_\_\_\_

Meeting stiles

Not applicable  
Rebated  
Square edge  
As drawing \_\_\_\_

Door veneer

Not applicable  
American white oak  
Ash  
Maple  
Steamed beech  
As drawing \_\_\_\_

Vision panels

[\_\_\_\_\_]

Aperture shape and dimensions

Not applicable  
Circular \_\_\_\_\_ mm diameter clear area - 450 mm maximum diameter

Circular \_\_\_ mm diameter clear area - 450 mm maximum diameter.  
Square \_\_\_ mm clear area  
Rectangular \_\_\_ mm high x \_\_\_ mm wide clear area  
As drawing \_\_\_

Aperture number Not applicable  
As drawing \_\_\_

Location Not applicable  
As drawing \_\_\_

Glazing 6.4 mm laminated glass, Class B to BS 6206 - Non-fire rated.  
7 mm Pyroshield, wired, Class C to BS 6206 - 30 minute fire rated.  
As drawing \_\_\_

Aperture shape and dimensions Not applicable  
Circular \_\_\_ mm diameter clear area - 450 mm maximum diameter.  
Square \_\_\_ mm clear area  
Rectangular \_\_\_ mm high x \_\_\_ mm wide clear area  
As drawing \_\_\_

Aperture number Not applicable  
As drawing \_\_\_

Location Not applicable  
As drawing \_\_\_

Glazing 6.4 mm laminated glass, Class B to BS 6206 - Non-fire rated.  
7 mm Pyroshield, wired, Class C to BS 6206 - 30 minute fire rated.  
As drawing \_\_\_

Ironmongery As drawing \_\_\_

Manifestation To conform to Building Regulations, Approved Document N2  
As drawing \_\_\_

Cable management and outlets As drawing \_\_\_

Accessories [As drawing \_\_\_]

Other requirements Cavity to be filled with 50 mm Isowool 1200  
As drawing \_\_\_

Installation Frame, glazing and door installation by SAS International Ltd

