

## 50-S-64(25) - SPEEDLINE METAL STUD PARTITION

**Type & Ref:** --  
 Version V1(24/10/23) --

**SPEEDLINE Reference:** 50-S-64(25)

### **Performance Overview:**

Fire Resistance (minutes):	NA (Integrity/Insulation) BS 476 Part 22: 1987
Sound Insulation:	41 R <sub>w</sub> dB Tested
<b>Maximum Height:</b>	Calculated on limiting deflection L/240 at 200Pa
@ 600 mm Ctrs:	2500 mm
@ 400 mm Ctrs:	2800 mm
@ 300 mm Ctrs:	2900 mm
Nominal Width:	77 mm. (Excluding finishes).
Insulation Required:	25 mm APR.
Duty Rating:	Medium. BS 5234-2:1992 (Annexes A-F)
Deflection Required:	To be confirmed by Structural Engineers. (Max 25mm on 50mm studs)

### **Steel Framing Detail:**

Head Tracks:	All as per the current <b>SPEEDLINE</b> Drywall Manual. <b>SPEEDLINE SPT52 'U' Track</b> , secured to soffit, in the centre of the profile at 600 mm centres with suitable fixings. (Utilise <b>SPEEDLINE Deep Flange 'U' Track</b> if deflection allowance is required)
Base Tracks:	<b>SPEEDLINE SPT52 'U' Track</b> , secured to floor in the centre of the profile, with suitable fixings.
Studs:	<b>SPEEDLINE SPS50 'C' Studs</b> at 600 mm centres. Friction fitted into tracks. (400 mm centres if to be tiled). Abutment 'C' studs secured at max 600 mm centres, with suitable fixings.
Deflection Head:	If structural deflection is deemed necessary, please refer to <b>SPEEDLINE</b> Drywall Manual and/or project detail.

### **Plasterboard linings:**

Outer Layer:	12.5 mm Siniat GTEC E Board attached to both sides of framing at 300 mm maximum centres with <b>25 mm SPEEDLINE Drywall Screws</b> .
Humid Areas:	Replace with 12.5 mm Siniat GTEC Fire MR Board attached to framing at 300 mm maximum centres with <b>25 mm SPEEDLINE Drywall Screws</b> .
Boarding Installation:	All plasterboard joints to be staggered on opposing partition faces.
Horizontal Board Joints:	<b>SPEEDLINE PB24</b> Partition Brace or <b>FS24</b> Flat Bracing Strip required behind all horizontal board joints.

### **Finishes:**

Acoustic Seal:	Skim plaster or taped & jointed (MR Boards to be taped & jointed only). At junctions between partitions and any other air paths, apply a continuous bead of <b>SPEEDLINE Intumescent Sealant</b> , to clean dust free surfaces. Please Note: <b>SPEEDLINE Intumescent Sealant</b> is NOT compatible with Lubrizol cPVC pipes.
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### **Accessories:**

**Service Support Plate AH174** & 18 mm Plywood for all pattresses.  
 Electrical socket openings should be considered as part of the fire stopping package and consideration should be given to meet the performances of the Partition/Lining system regarding fire and acoustic performance.

**General Notes:**

To be installed in accordance with SPEEDLINE recommendations and relevant British standards including BS 8000-0:2014 and BS 8000-8:2023.

This document should be read in conjunction with clauses specified in original contract documentation. Flanking details to be appropriate to current requirements.