

## 50-B-51(50) - SPEEDLINE METAL STUD PARTITION

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

**SPEEDLINE Reference:** 50-B-51(50)

### **Performance Overview:**

Fire Resistance (minutes): 30/30 (Integrity/Insulation) BS 476 Part 22: 1987

Sound Insulation: 41 R<sub>w</sub>dB

**Maximum Height:** 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: 50 mm APR.

Duty Rating: Medium. BS 5234-2:1992 (Annexes A-F)

Deflection Required: To be confirmed by Structural Engineer. (25mm Max on 50mm studs)

**Steel Framing Detail:** All as per the current **SPEEDLINE** Drywall Manual.

Head Tracks: **SPEEDLINE SPT52 'U' Track**, secured to soffit, in the centre of the profile at 600 mm centres with suitable fixings. (Utilise **SPEEDLINE Deep Flange 'U' Track** if deflection allowance is required)

Base Tracks: **SPEEDLINE SPT52 'U' Track**, secured to floor in the centre of the profile, with suitable fixings.

Studs: **SPEEDLINE SPS50 'C' Studs** at 600 mm centres. Friction fitted into tracks. (400 mm centres if to be tiled). Abutment studs secured at max 600 mm centres, with suitable fixings.

Deflection Head: If structural deflection is deemed necessary, please refer to **SPEEDLINE** Drywall Manual and/or project detail.

### **Plasterboard linings:**

Outer Layer: 12.5 mm British Gypsum Gyproc WallBoard attached to both sides of framing at 300 mm maximum centres with **25 mm SPEEDLINE Drywall Screws**.

Humid Areas: Replace with 12.5 mm British Gypsum Gyproc Moisture Resistant attached to framing at 300 mm maximum centres with **25 mm SPEEDLINE Drywall Screws**.

Boarding Installation: All plasterboard joints to be staggered on opposing partition faces.

Horizontal Board Joints: **SPEEDLINE PB24** Partition Brace or **FS24** Flat Bracing Strip required behind all horizontal board joints.

**Finishes:** Skim plaster or taped & jointed (MR Boards to be taped & jointed only).

Acoustic Seal: At junctions between partitions and any other air paths, apply a continuous bead of **SPEEDLINE Intumescent Sealant**, to clean dust free surfaces. Please Note: **SPEEDLINE Intumescent Sealant** is NOT compatible with Lubrizol cPVC pipes.

**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.

