

## **RB70-B-59(50) - SPEEDLINE METAL STUD PARTITION**

<b>Type &amp; Ref:</b>	--
Version V1(24/10/23)	--
<b><u>SPEEDLINE Reference:</u></b>	<b>RB70-B-59(50)</b>
<b><u>Performance Overview:</u></b>	
Fire Resistance (minutes):	60/60 (Integrity/Insulation) BS 476 Part 22: 1987
Sound Insulation:	59 R <sub>w</sub> dB (-2,-7) Tested
<b>Maximum Height:</b>	Calculated on limiting deflection L/240 at 200Pa
@ 600 mm Ctrs:	4000 mm
Nominal Width:	138 mm. (Excluding finishes).
Insulation Required:	50 mm APR.
Duty Rating:	Severe. BS 5234-2:1992 (Annexes A-F)
Deflection Required:	To be confirmed by Structural Engineer.
<b><u>Steel Framing Detail:</u></b>	All as per the current <b>SPEEDLINE</b> Drywall Manual.
Head Tracks:	<b>SPEEDLINE SPT72 '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 SPT72 'U' Track</b> , secured to floor in the centre of the profile, with suitable fixings.
Studs:	<b>SPEEDLINE SPS70 'C' Studs</b> 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.
Resilient Bar:	<b>SPEEDLINE RB565 Resilient Bar</b> is screw fixed perpendicular to the studs at 600 mm centres on one side only. Hanging down from screw fixings, apart from top Resilient bar, which faces up.
Deflection Head:	If structural deflection is deemed necessary, please refer to <b>SPEEDLINE</b> Drywall Manual and/or project detail.
<b><u>Plasterboard linings:</u></b>	
Inner Layer:	12.5 mm British Gypsum Gyproc SoundBloc attached to both sides of framing at 600 mm maximum centres with <b>25 mm SPEEDLINE Drywall Screws</b> .
Outer Layer:	12.5 mm British Gypsum Gyproc SoundBloc attached to both sides of framing at 300 mm maximum centres with <b>38 mm SPEEDLINE Drywall Screws</b> . <b>ENSURE SCREWS DO NOT PENETRATE STUDWORK ON RESILIENT BAR SIDE</b>
Humid Areas:	Replace with 12.5 mm British Gypsum Gyproc SoundBloc MR attached to framing at 300 mm maximum centres with <b>38 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.
<b><u>Finishes:</u></b>	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 <b>SPEEDLINE Intumescent Sealant</b> , to clean dust free surfaces. Please Note: <b>SPEEDLINE Intumescent Sealant</b> is NOT compatible with Lubrizol cPVC pipes.
<b><u>Accessories:</u></b>	<b>Service Support Plate AH174</b> & 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.