

## IWL50-B-63(25) - SPEEDLINE INDEPENDENT I STUD WALL LINER

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

**SPEEDLINE Reference:** IWL50-B-63(25)

### **Performance Overview:**

Fire Resistance (minutes): NA (Integrity/Insulation) BS 476 Part 22: 1987  
Sound Insulation: NA  $R_{w,dB}$   
Max Height @600mm Ctrs: 2400 mm Calculated on limiting deflection L/240 at 200Pa  
@400mm Ctrs: 2700 mm  
@300mm Ctrs: 2800 mm  
Nominal Width: NA.  
Insulation Required: 25 mm APR.  
Duty Rating: Severe 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: **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 PI50 (50 mm) 'I' Studs** 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 **SPEEDLINE Drywall Manual** and/or project detail.

### **Plasterboard linings:**

Outer Layer: 15 mm British Gypsum Gyproc DuraLine attached to room side of framing at 300 mm maximum centres with **25 mm SPEEDLINE Drywall Screws**.

Humid Areas: Replace with 15 mm British Gypsum Gyproc DuraLine MR attached to framing at 300 mm maximum centres with **25 mm SPEEDLINE Drywall Screws**.

Boarding Installation: All plasterboard joints to be staggered between layers.

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.

