

IWL50-K-62(50) - SPEEDLINE INDEPENDENT I STUD WALL LINER

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

SPEEDLINE Reference: IWL50-K-62(50)

Performance Overview:

Fire Resistance (minutes): 60/30 (Integrity/Insulation) BS 476 Part 22: 1987 from room side*
Sound Insulation: NA R_wdB
Max Height @600mm Ctrs: 2700 mm Calculated on limiting deflection L/240 at 200Pa
@400mm Ctrs: 3300 mm
@300mm Ctrs: 3600 mm
Nominal Width: 82 mm.
Insulation Required: 50 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:

Inner Layer: 15 mm Knauf Fire Panel attached to room side of framing at 300 mm maximum centres with **32 mm SPEEDLINE Drywall Screws**.
Outer Layer: 15 mm Knauf Fire Panel attached to room side of framing at 300 mm maximum centres with **42 mm SPEEDLINE Drywall Screws**.
Humid Areas: Replace with 15 mm Knauf Performance Plus attached to room side of framing at 300 mm maximum centres with **42 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:

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 **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.

*to masonry, brick slip system, profiled steel sheeting & Insulated render systems.