

PSDH70-K-63(25) - SPEEDLINE METAL STUD PARTITION

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

SPEEDLINE Reference: PSDH70-K-63(25)

Performance Overview:

Fire Resistance (minutes): 30/30 (Integrity/Insulation) BS 476 Part 22: 1987
Sound Insulation: 43 R_wdB Tested
Maximum Height: Calculated on limiting deflection L/240 at 200Pa
@ 600 mm Ctrs: 4200 mm
@ 400 mm Ctrs: 4600 mm
@ 300 mm Ctrs: 4800 mm
Nominal Width: 102 mm. (Excluding finishes).
Insulation Required: 25 mm APR.
Duty Rating: Severe. BS 5234-2:1992 (Annexes A-F)
Deflection Required: To be confirmed by Structural Engineer.

Steel Framing Detail:

Head Tracks: All as per the current **SPEEDLINE** Drywall Manual.
SPEEDLINE SPT72 '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 SPT72 'U' Track**, secured to floor in the centre of the profile, with suitable fixings.
Studs: **SPEEDLINE PSDH70 'Heavy Duty C' 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 Knauf Impact Panel attached to both sides of framing at 300 mm maximum centres with **25 mm SPEEDLINE Drywall Screws**.
Humid Areas: Replace with 15 mm Knauf Performance Plus 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:

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.