

## CWL507-S-53 - SPEEDLINE CONCRETE CEILING LINER SYSTEM

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

**SPEEDLINE Reference:** CWL507-S-53<sup>(Cont)</sup>

### **Performance Overview:**

Fire Resistance (minutes): NA.  
Sound Insulation: NA R<sub>w</sub>dB  
Insulation Required: NA.  
Soffit Depth: 20 -175 mm Dependent on bracket type used (background to face of channel).  
Structural Soffit: Concrete Soffit.

### **Steel Framing Detail:**

Perimeter Tracks: **SPEEDLINE SWL60** secured to perimeter of the room, in the centre of the profile at 600 mm maximum centres with suitable fixings.

**Liner Section:** Install row of **SPEEDLINE SWL507** Ceiling Liner Section at 400 mm or 450 mm centres. Fit Liner Section into Perimeter Track at edges.

Brackets: Fix brackets **AH185** (75 mm leg), **AH186** (125 mm leg) or **AH175** (175 mm leg), to the concrete soffit at maximum 900 mm centres. Secure brackets to Ceiling Liner Section using **SPEEDLINE Wafer Head Drywall Screws**, one fixing to each side of bracket. Fold back excess bracket to provide flush finish for board lining.

### **Plasterboard linings:**

Outer Layer: 12.5 mm Siniat GTEC dB Board attached to underside of framing at 230 mm maximum centres with **25 mm SPEEDLINE Drywall Screws**. The perimeter of the room and ends of boards to be fixed at 150 mm maximum centres.

Humid Areas: 12.5 mm Siniat GTEC Fire MR Board attached to underside of framing at 230 mm maximum centres with **25 mm SPEEDLINE Drywall Screws**. The perimeter of the room and ends of boards to be fixed at 150 mm maximum centres.

### **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.