

## SPEEDLINE COLUMN ENCASEMENT

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

**SPEEDLINE Reference:** CE-S-62

### **Performance Overview:**

**Fire protection:** 120 mins up to section factor A/V(Hp/A) 125 to BS 476 Part 21: 1987  
 Fire protection depends on the dimensions & weight of the Steel being clad. Testing based on 203mm x 203mm x 52kg/m<sup>2</sup> Universal Steel column in vertical application. Please check with SPEEDLINE Technical Department for full advice.

**Sound Insulation:** NA.  
**Maximum Height:** NA.  
**Nominal Width:** NA.  
**Insulation Required:** NA.

### **Four-Sided Protection to Steel Column:**

**AH198** Steel Framing Clips are friction fitted on to the column flanges at maximum 800 mm centres.

**SPEEDLINE SWL507** Wall Liner Channel is located over the clips to encase the column.

**SPEEDLINE PB24** Partition Brace or **FS24** Flat Bracing Strip is required behind all horizontal joints in the plasterboard.

### **Three-Sided Protection to Column:**

**SPEEDLINE SL06** angle is located to both sides of the wall / soffit and secured at maximum 600 mm centres using suitable fixings

**AH198** Steel Framing Clips are friction fitted on to the column flanges at maximum 800 mm centres.

**SPEEDLINE SWL507** Wall Liner Channel is located over the clips to encase the column.

**SPEEDLINE PB24** Partition Brace or **FS24** Flat Bracing Strip is required behind all horizontal & vertical joints in the plasterboard.

### **Plasterboard linings:**

**Inner Layer:** 15 mm Siniat GTEC Fire Board attached to framing at 600 mm maximum centres with **25 mm SPEEDLINE Drywall Screws**.

**Outer Layer:** 15 mm Siniat GTEC Fire Board attached framing at 300 mm maximum centres with **42 mm SPEEDLINE Drywall Screws**.

**Humid Areas:** Replace with 15 mm Siniat GTEC Fire MR Board attached to framing at 300 mm maximum centres with **42 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:** 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. For column's greater than 600 mm additional framing is required.