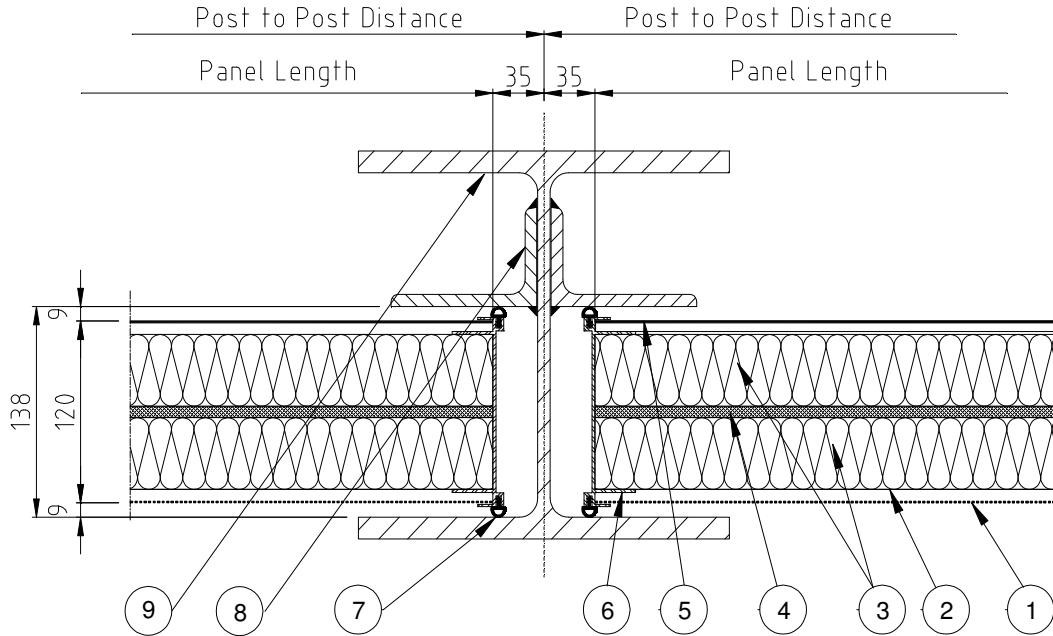


SONOGARD® SSA

Single Side Sound Absorbing Panel



Acoustic Properties:-

1. 1.25mm thk perforated aluminium sheet with hole ϕ 5mm at 8.5mm centres = 31.2% open area
2. Black facing cloth
3. Rockwool
4. Partition board
5. 1.25mm thk solid aluminium back sheet
6. End extrusion
7. EPDM gasket
8. Fixing angle
9. Steel support column

1. Sound Absorption

ISO 354:2003

| Frequency Hz | 125 | 250 | 500 | 1K | 2K | 4K |
|------------------------|------|------|------|------|------|------|
| Absorption Coefficient | 0.60 | 0.75 | 0.95 | 0.95 | 0.85 | 0.75 |

Weighted Sound Absorption Coefficient $\alpha_w = 0.9$ (A)

BS EN 1793-1:1998

Single- number rating $DL\alpha$ dB = 9 Category A3

2. Sound Transmission Loss

ISO 140-3:1995

| Frequency Hz | 125 | 250 | 500 | 1K | 2K | 4K |
|-----------------------------|------|------|------|------|------|------|
| Sound Reduction Index R, dB | 13.2 | 20.6 | 30.3 | 34.9 | 32.2 | 34.0 |

Weighted Sound Reduction Index, $R_w = 31$ dB

BS EN 1793-2:1998

Single- number rating DL_R dB = 26 Category B3