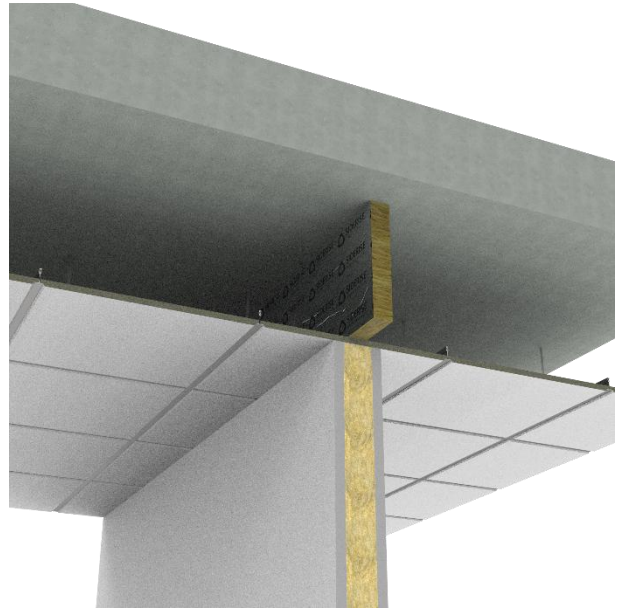


Siderise CVB/LAM acoustic void barriers for suspended ceilings



A semi-rigid mineral wool sheet that reduces sound transmission between rooms and can be used as a fire stop above partitions.

Application

Siderise CVB/LAM acoustic void barriers are primarily intended to reduce sound transmission via hidden voids offering potential 'cross-talk' paths to adjoining areas.

For suspended ceilings typical voids include those formed at partition lines.

Siderise CVB/LAM can also be used as a fire stop directly above partition lines (in this case the ceiling must be broken either side of the partition).

Product description

Siderise CVB/LAM has the special 'lamella' orientation mineral wool (i.e. the internal fibres have a perpendicular orientation and additionally are held in a pre-compressed state).

The advantage of the lamella construction is that it offers improved acoustic performance at lower surface weights. Additionally, the HSL version is more compressible in the plane of the barrier, assisting friction and compression fitting and aiding deformation around service penetrations.

Siderise CVB is faced as standard on the exposed surfaces with a reinforced aluminium foil.

Supplied with non-rebated edges as standard.

Acoustic performance

The product's standalone acoustic performance is tested in accordance with BS EN ISO 140-3:1995. Weighted sound reduction index (dB R_w) values for various grades of the product are given below in Table 1.

Weighted Sound Reduction Index

Table 1 - Acoustic performance

Product Code	Thickness (mm)	Weight (Kg/m ²)	R _w (dB)
CVB/75LAM/90	90	7.1	23
CVB/75LAM/120	120	9.4	25

Fire performance

Fire Resistance

Siderise CVB/LAM has been tested to the temperature and pressure conditions of BS EN 1363 Part 1: 2012, and generally in accordance with BS EN 1366 Part4. See table 2 below.

Table 2 - Fire resistance performance

ProductRef	Void Width (mm)	Thickness (mm)	Compression (min.)	Integrity (Mins)	Insulation (mins)	Product Length(mm)	Bracket Requirement
CVB/75LAM/90	50 - 200	90	+5mm	60	60	1200	No brackets*
CVB/75LAM/90	201 - 300	90	+10mm	90	60	1200	2no.B195 600mm centres
CVB/75LAM/120	50 - 200	120	+10mm	120	120	1200	2no.B195 600mm centres
CVB/75LAM/120	201 - 300	120	+10mm	120	120	1200	2no.B195 600mm centres
CVB/75LAM/120	301 - 400	120	+20mm	60	60	1200	2no.B355 600mm centres
CVB/75LAM/120	401 - 600	120	+20mm	60	60	1200	2no.B355 600mm centres
CVB/75LAM/120	601 - 1000	120	+40mm	60	60	1200	4no. B355 300mm centres

* Whilst CVB/75LAM/90 has been tested in general accordance with EN 1366-4 in void widths 50-200mm without mechanical fixings and brackets, we note that some supervising authorities may require a form of mechanical fixing. We recommend engaging with the project supervising authorities prior to installation to ensure all their requirements are met.

- Brackets must be installed at 600mm centres based on a 1200mm strip, except for between 601-1000mm voids which should be installed at 300mm centres. This can be reduced pro rata for shorter lengths. Please note that a minimum of 2 brackets are required for any length of barrier greater than 250mm. For lengths ≤250mm a single bracket must be utilised.
- All brackets to be suitably fixed to substrate with non-combustible fixings
- All brackets to penetrate product at mid-thickness.
- All brackets to penetrate to a depth of 75% of gap width. For CVB/75LAM/120 used in voids of 601-1000mm, brackets should penetrate 355mm.

In terms of 'Reaction to Fire', the products are classified to EN 13501-1. See Table 3.

Table 3 - Reaction to Fire performance

Product Grade	Thickness (mm)	Weight	Building Regs (Approved Document B) European Class (to EN 13501-1)
CVB/75LAM/90	90	7.1	A1
CVB/75LAM/120	120	9.4	A1

Technical specification

Technical specification

Form Supplied	Sheets 1200mm x 1200mm
Finish	Aluminium Foil
Thickness	90mm, 120mm
Density	Nominal 75kg/m ³
Thermal conductivity	$\lambda = 0.038$ W/m.K (tested Foil to Foil)
Fire resistance performance	See section above
Reaction to Fire	A1

Products available

The following Siderise products for use the Interiors Sector are available:

- Siderise AVC acoustic void closures for tops of walls
- Siderise BM/P series barrier mat
- Siderise CBX flexible acoustic barriers
- Siderise CLS acoustic lining system
- Siderise CVB/LAM acoustic barriers for suspended ceilings
- Siderise CVB/P10 acoustic barriers for suspended ceilings and raised access floors
- Siderise DWX duct acoustic barriers
- Siderise FLX foam based flexible acoustic barriers
- Siderise MC mullion overclad system

Contact us for a copy of our building acoustics range brochure.

Contact us for further information on our CPDs

Further information

Technical support

For further information please contact our technical team at the address below.

Available CPD's

Contact Siderise for further information on our CPDs:

- Siderise Acoustic Products for Commercial Interiors - Architect Edition
- Siderise Acoustic Products and Performance with 1/3rd Octave Data – Acoustic Consultants Edition

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