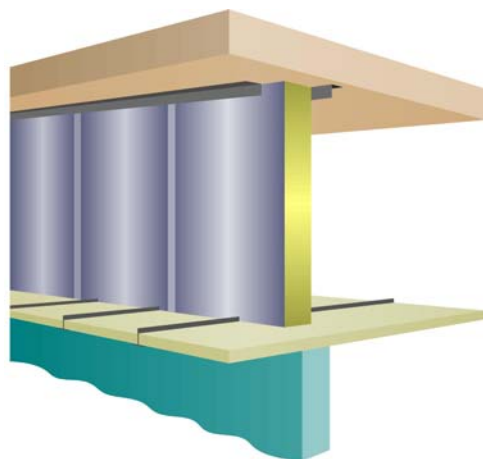


Introduction



CVB Series Barrier

The product comprises a rigid high density resin bonded rockfibre slab that incorporates interlocking stepped rebate joints to both vertical edges. The exposed faces of the slab are finished with a Class 'O' reinforced aluminum foil.

The integral stepped edge joint maintains the acoustic integrity of the installed barrier.

The product is primarily intended to improve the sound transmission loss associated with the 'cross-talk' path via suspended ceiling voids above partitions.

CVB barrier is available in a number of grades and thicknesses offering a wide range of sound reduction values. The product is also available with a choice of optional high mass central membranes to achieve substantially higher SRI values.

Some CVB barriers have certified fire resistance permitting their dual use as ceiling void fire barriers.

The product is extremely simple to fix and can be easily cut to accommodate service penetrations.

Installation

The product is normally installed by means of a compression fit between the structural soffit and the lower suspended ceiling (or partition head where this projects into the ceiling void). The product should be cut oversized in height for friction fitting into the final position.

For larger void heights or for conditions where additional fixing measures are assessed as desirable, a range of angle support brackets are available. Alternatively, the head of the product may be securely retained by the installation of metal angle sections each side of the barrier.

Where the barrier abuts a lower suspended ceiling with projecting grid elements, improved sealing can be effected by cutting corresponding slits into the lower edge of the slab. These cuts assist in allowing the slab to deform snugly around the grid component whilst maintaining a tight compression fit to the rear of the ceiling tile.

The vertical interlocking joints should be sealed on both surfaces by the application of 50mm minimum width self-adhesive foil tape. Cut joints or service penetrations should be sealed in a similar manner.

CVB barrier is generally limited to a maximum void height of 1200mm. We offer other products (e.g. CBX Barrier) suitable for larger void heights.

Acoustic performance

The extensive product range within the CBX Series permits accurate selection of the required SRI value to correct the shortfall between the 'cross talk' path and the partition value.

We recommend that product selection is undertaken in conjunction with our technical department, who additionally consider factors such as void height stability, compression characteristics and any fire resistance requirements.

Sound Reduction Index (SRI):

12-25dB(Rw) *without central membrane*

29-35dB(Rw) *with central membrane*

Twin barrier constructions have been tested to provide a SRI of up to 49dB(Rw).

All values are for the barrier only. Room to room values would consequently normally be substantially higher depending on the type and arrangement of the suspended ceiling system employed.

Specification

Product	CVB Series Barrier
Standard size	1200mm x 1000mm or 1200mm x 900mm (According to grade)
Special sizes	Available on request
Cover size	As above less 25mm for selected width dimension
Thickness	Normally 50 - 150mm
Surface Mass	3 - 17 Kg/m ² (without central mass membrane) 8 - 25 Kg/m ² (with central mass membrane)
Fire Performance	BS 476, Part 7: Class 1 BS 476, Part 6: I<12, I ₍₁₎ <6 (Class 'O' to Building Regulations)
Fire Resistance	½ & 1 Hour (for some grades only) Refer to our technical department