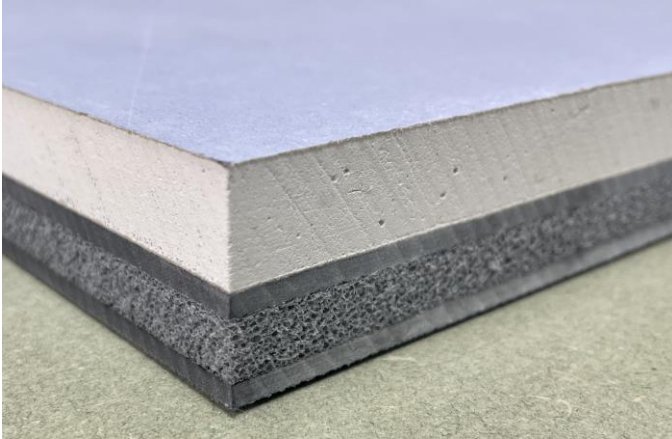




WallArmour dB

{ Acoustic Wall Lining Board

A SOUND REDUCTION SYSTEMS PRODUCT



Key Benefits:

- Direct to wall solution for domestic noise problems
- Suitable for lightweight masonry and blockwork walls
- Can be installed using conventional tools and techniques.
- Minimal loss of room space - Only 30mm thick
- High mass product manufactured from a combination of resilient XPE foam, mass-loaded vinyl, and dense acoustic plasterboard.

Before installation commences:

Please note that WallArmour dB panels are very heavy. Please also ensure that the structure that WallArmour dB is being installed onto can take the additional weight/loading. All skirting, coving, and any plasterboard on dabs should be removed prior to installation of WallArmour dB, so that the product can be fixed directly to the masonry wall. The surface of the wall should be in good condition and be flat.

Installation Guidance:



WallArmour dB should be secured onto the wall using 80x6mm hammer fixings. All joints should be staggered. Starting in the bottom left-hand corner of the wall, offer a board up to the wall, resting the panel on 5mm spacers at the floor junction and against some 5mm spacers at the junction with the perpendicular wall to the left. Ensure that the board is flush and square before commencing with securing it to the wall as this will make it much easier to install subsequent boards.

Drill 9no 6mm holes through the WallArmour dB panel and into the masonry behind, ensuring that the drill penetrates 50mm into the wall. It is recommended to have one-hole 25mm in from each panel corner, one in the middle of each of the 4 sides, 25mm from the panel edge, and one directly in the middle of the panel. Tap the hammer fixings into the holes and tighten with a screwdriver to secure.

The next panel can then be installed adjacent to the first in the same manner. The panels should be butt jointed as tightly as possible ensuring no gaps. This procedure should then be repeated until the first row is complete. The next row above can then be started with the offcut from the last, as long as this is wider than 200mm.

Once all the required WallArmour dB panels are secured to the wall then the 5mm isolation gap around the perimeter, any small gaps between the boards, and the screwheads should be filled with SRS Acoustic Sealant to ensure air-tightness.

Finishing and Plastering WallArmour dB:

SRS recommend that scrim tape is applied to all WallArmour dB joints and the surface is plastered and painted in the conventional way. If wallpaper is the preferred wall finish, then it may be possible to omit the plaster and use a heavy-duty lining paper instead.

Acoustic Performance:

WallArmour dB Installed onto a Lightweight Block Wall

- 100mm thick H H Celcon Standard Block (600kg/m3)
- WallArmour dB, 9no 80x6mm hammer fixings per board

Airborne	D _{nT,w}	D _{nT,w} +C _{tr}
Test A - 100mm thick Lightweight Block	38dB	35dB
Test B - 100mm thick Lightweight Block Wall with WallArmour dB to one side	44dB	40dB
Improvement	+6dB	+5dB

Test A carried out in accordance with BS EN ISO 140 Part 4 and rated to BS EN ISO 717 Parts 1 and 7 by Soundtesting.co.uk (UKAS) on 1st December 2020. Test reference: 143485-4. Test B carried out in accordance with BS EN ISO 140 Part 4 and rated to BS EN ISO 717 Parts 1 and 7 by Sound Reduction Systems on 28th July 2023. Test reference: 230728.

Physical Properties and Accessories:

WallArmour dB	SIZE	THICKNESS	WEIGHT
	1180 x 1180mm	30mm	28.5kg/m ²

Storage: Must be laid flat and kept dry. WallArmour dB should only be stored on site if the building has been sealed and is completely dry.

Cutting: Best cut using a circular saw to ensure smooth, straight edges. However, the product can also be cut using a fine-toothed handsaw.

Handling: WallArmour dB is a heavy product (40kg per 1180x1180mm board) and SRS recommend that installation is carried out by a two-person team. Please exercise caution when lifting and installing. The HSE can provide information and guidance on the lifting and handling of heavy goods www.hse.gov.uk.

Accessories:

ACCESSORIES:

- SRS Acoustic Sealant
- SRS WallArmour dB Hammer Fixings (80mm x 6mm)
- Scrim Tape (supplied by others)



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Site conditions and installation standards vary. SRS cannot take responsibility for the performance of any installed system of which SRS products are only a part, or that have been installed incorrectly. Prior to installation, it is necessary to identify and eliminate possible flanking paths that may compromise the acoustic performance of any SRS product.

