



Sound Zero Acoustic Mat



Made specifically to reduce sound transmission through floor tiling systems



FEATURES & BENEFITS

- Offers long term performance without collapse or bottoming out
- Light weight material
- Low odour
- Crack suppressant
- Made from recycled material
- No plasticizer migration
- No curling so it stays flat during installation
- Easy cut to size and to place
- Resistant to ageing and deformation
- High quality and exact material thickness
- Minimal creep, even under high loads
- Minimises construction heights
- Protects expansion joints
- 4.5mm thick mat

PACKAGING

1m x 1.2m sheet or 1m x 20m roll

WHERE TO USE

Surfaces

Most common substrates; concrete, cement based flooring compounds, compressed fibre cement sheeting. Suitable for use with under floor heating.

Areas

Suitable for interior and exterior applications. Commercial and domestic floors in areas such as general living areas where tiling takes place directly to the mat or where a sand / cement screed is used over the mat, office buildings, airports, shopping centres, hotels, homes and apartments.

PRODUCT INFORMATION

Manufactured and Certified to

OHAS 18001:2007 Management System

DIN ISO 9001:2008 Management System

DIN ISO 14001:2004 Management System



DIRECTIONS FOR USE

SURFACE PREPARATION

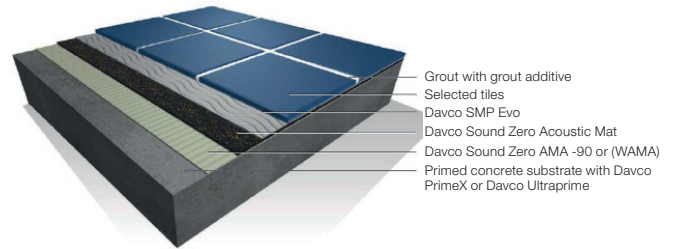
- All surfaces must be installed according to manufacturer's instructions and relevant Australian Standard(s) and be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds, release agents and any other loose or contaminating material. Thoroughly clean old surfaces, or new surfaces that have been treated, prior to installing the acoustic mat
- Deeply contaminated surfaces must be scabbled / abraded to a clean, sound surface. Expose at least 80% of the original substrate of painted surfaces
- Surfaces should be prepared and primed as per table below:

SUBSTRATE	SPECIFIC REQUIREMENTS	PRIMING
Concrete - float finish (rough)	Cured minimum 6 weeks	Prime with Davco PrimeX or Ultraprime
Concrete - steel trowel finish (smooth)	Cured minimum 6 weeks Free of laitance (not flaking)	Prime with Davco PrimeX
Screed - float finish (rough)	Cured minimum 7 days Sound (Not drummy or cracked)	Prime with Davco PrimeX or Ultraprime
Compressed fibre cement sheet	Correctly and firmly fixed	Prime with Davco PrimeX
Timber floor	Correctly and firmly fixed, free of wax, varnish and paint	Prime with Davco Ultraprime
Other difficult / non absorbent (e.g. metal) / contaminated (e.g. old flooring or tile adhesive)	Where not feasible to remove	Prime with Davco Ultrabond (See Ultrabond Technical Data sheet)

INSTALLATION

General Living Area Installation

1. Allow primer to dry completely (depending on ambient temperature 15-30 minutes).
2. Apply a bed of Davco Sound Zero AMA-90 or Davco Sound Zero (WAMA) onto the substrate with a 2.4mm V-notched trowel.
3. Place the mat onto the adhesive bed and press evenly into the adhesive (this may be done with a lightly weighted roller).
4. Make sure there is even adhesive coverage and minimise the amount of voids under the mat as they can change the acoustic properties of the system.
5. Allow to dry for 24hrs before tiling.

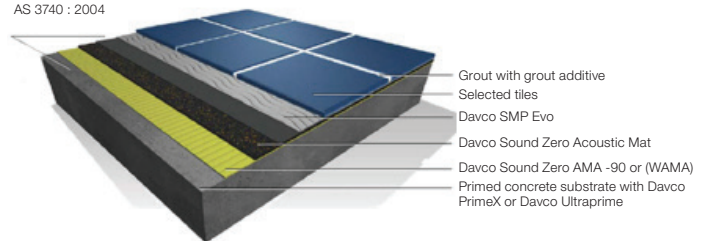


External and Wet Area Installation

For application in external and wet areas, the use of a Davco waterproofing membrane on top of the mat is essential. If the tiles are to be adhered directly to the acoustic mat.

1. Apply the Davco waterproofing membrane directly over the mat, as per the instructions for the membrane 3 coats will be required.
2. If a screed is needed to create falls in an external wet area, apply the screed over the membrane.
3. For full protection of the mat, apply Davco waterproofing over the screed.
4. Apply tiles over the Davco waterproofing membrane.

Davco K10 Plus waterproof membrane installed in accordance with AS 3740 : 2004



Tile Adhesives

- It is recommended that Davco SMP Evo be used when adhering directly to the acoustic mat

Grouting

- Grouting should not be carried out for at least 24 hours after the completion of tiling. For grout joints 1-6mm wide use Davco Sanitized® Colorgrout or Davco Elite ColourGrout. For grout joints 6-12mm wide use Davco Slate & Quarry Grout
- Davco Grout Additive should be used in the grout mix when using over Sound Zero Acoustic Mat

Clean-up & Return to Service

- Clean tools and equipment with water before the adhesive dries
- Allow product to set before grouting
- Allow product to set firmly before return to service

Note: Setting times of adhesive is affected by site conditions, climate and could be faster or slower than specified

PRECAUTIONS

Safety

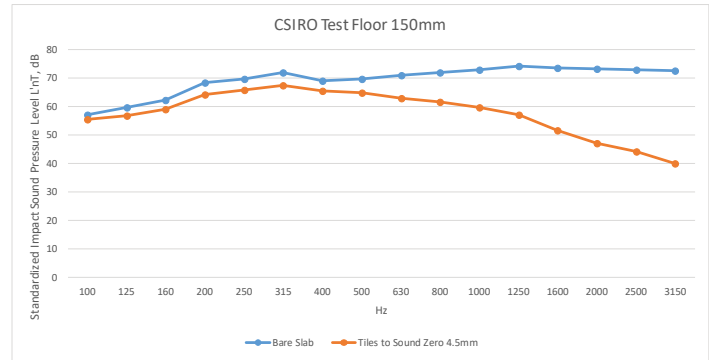
- SDS is available from www.davcoaustralia.com.au
- It is recommended that applicators wear PVC or similar gloves and safety goggles while handling this product. If contact with eye occurs, rinse with cool water. If ingested, seek immediate medical assistance
- Keep out of reach of children

General

- Protect the Sound Zero Acoustic Mat from contamination after application and before tiling, so as to provide a clean surface for tiles to bond to
- Only undertake tiling using recommended adhesive systems. If there is a need to change the system, contact ParexGroup before proceeding
- Do not use in a wet area, without the application of a Davco waterproofing membrane if tiling directly to the acoustic mat
- All substrates must be primed before application

TECHNICAL DATA

CSIRO Test



Results	Improvement	IIC	BCA Compliance	AAAC Star Rating
Bare 150mm concrete slab				
L _{n,w} (C) = 79 (-11) dB		IIC 27		
Layer of 10mm Porcelain Tile, to Sound Zero 4.5mm, to 150mm Concrete Slab				
L _{n,w} (C) = 61 (-2) dB	Improvement Δ 17dB	IIC 49	Yes	2 Star

LEGAL NOTES

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Davco products manufactured in Australia are produced in accordance with quality management systems certified as complying with AS/NZS ISO 9001:2008.

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