

Technical Data Sheet

PRODUCT

CMS Danskin Acoustics SoundLay® is available in four formats - SoundLay®, SoundLay® Duo, SoundLay® Plus and SoundLay® High-Load - offering a high performance floor noise barrier and reducing both impact and airborne sound.

SoundLay®

SoundLay® is designed for concrete floor applications and can also be used for timber floors. It is primarily used where impact noise insulation is required although can also provide a level of airborne noise insulation.

It is a two layer laminate, the upper being WB7.5 acoustic barrier supported by a 6mm layer of acoustic foam.

SoundLay® Duo

SoundLay® Duo is designed for concrete floor applications and can also be used for timber floors. It is primarily used where impact noise insulation is required although can also provide a level of airborne noise insulation.

It is a two layer laminate, the upper being WB7.5 acoustic barrier supported by a 9mm layer of acoustic foam.

SoundLay® Plus

SoundLay® Plus is primarily designed for timber floors although can also be used with concrete floor constructions. It offers additional airborne and impact sound insulation to SoundLay® so is aimed at developments where superior noise control is necessary.

This performance composite is a sandwich laminate of two layers of WB7.5 acoustic barrier separated by a 6mm layer of acoustic foam.

SoundLay® High-Load

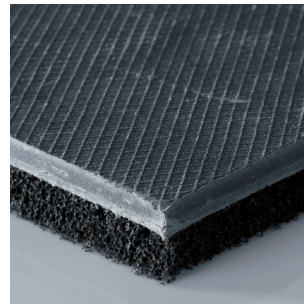
For areas with higher domestic loadings, SoundLay® High-Load should be considered as it can withstand heavier loads being applied. This high performance composite is a sandwich laminate of two layers of WB7.5 acoustic barrier separated by a 9mm layer of acoustic foam.

APPLICATIONS

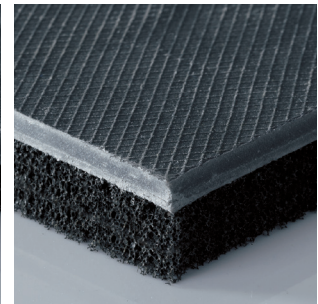
- Newbuild
- Offices
- Retrofit
- Residential developments
- Renovation
- Hotels

FEATURES and BENEFITS

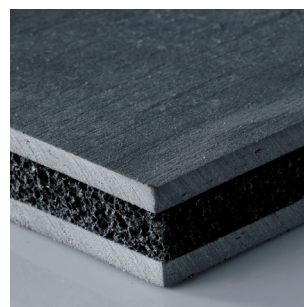
- Reduces impact sound
- Improved airborne sound performance
- Suitable for concrete and timber floating floors
- Both systems tested on basic floor constructions
- Flexible, easily cut
- Supplied in thin, easy to handle tiles
- Simple to install
- Cost effective



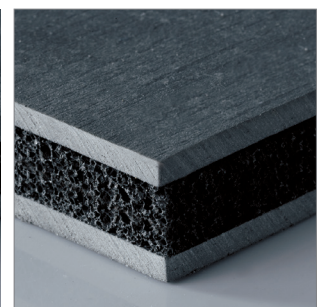
SoundLay®



SoundLay® Duo



SoundLay® Plus



SoundLay® High-Load

TECHNICAL INFORMATION

	Thickness (mm)	Length (mm)	Width (mm)	Weight (kg/m²)
SoundLay®	9	1200	1000	7.41
SoundLay® Duo	12	1200	1000	7.51
SoundLay® Duo	12	600	500	1.88
SoundLay® Plus	12	1200	1000	14.61
SoundLay® High Load	15	1200	1000	14.71

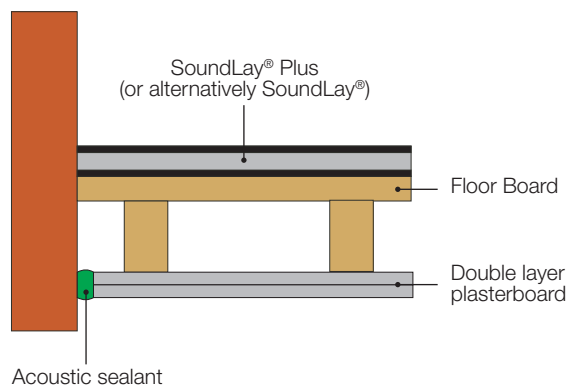
Timber Joist Floor covering

	Airborne Rw (-Ctr)	Impact (Ln,w)
SoundLay® (example 1)	47dB (-5)	53dB
SoundLay® Plus (example 1)	49dB (-4)	55dB
SoundLay® Plus (example 2)	54dB (-6)	49dB

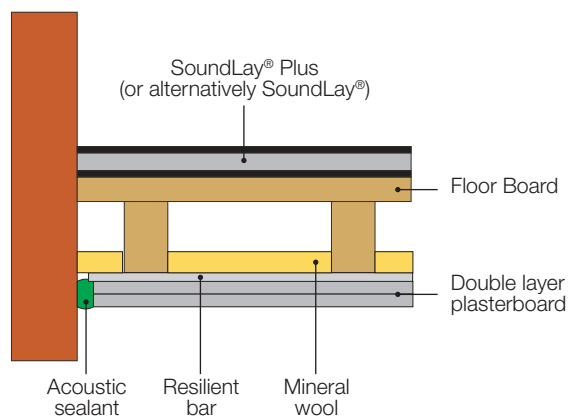
Concrete Floor covering

	Airborne Rw (-Ctr)
SoundLay® 9mm	32dB
SoundLay® Duo 12mm	31dB
SoundLay® Plus 12mm	30dB
SoundLay® High Load 15mm	33dB

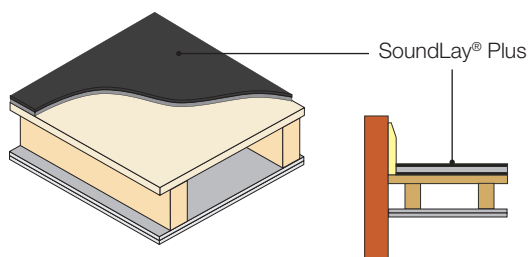
Example 1



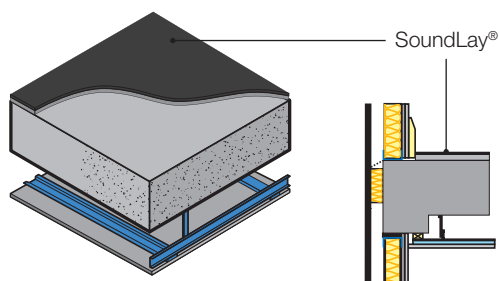
Example 2



Wooden floors



Concrete floors



INSTALLATION GUIDELINES

CMS Danskin Acoustics SoundLay® is supplied in standard sheet/ tile sizes. These are easy to lay on the floor in a staggered pattern, placing tightly together.

- SoundLay® sheets can be laid loose or bonded to the floor.
- When bonding to the floor, ensure that the surface is clean, dry, grease free and that the flooring is secured before bonding.
- REGUPOL adhesive 43-105 should be used.
- SoundLay® sheets can be pushed up to the skirting board or wall; ensure a tight fit to prevent flanking of airborne noise.

Carpets (fitted with grippers)

- Cut a strip from the edge of the SoundLay® sheets which contact the wall, the same width as the carpet gripper rods.
- Using one layer of the acoustic barrier (you may need to remove the foam layer) nail or adhere to the perimeter of the room, Carpet gripper rods are then nailed on top of the strip.

Contact CMS Danskin Acoustics for advice on the fitting of grippers.

Laminate, sheet vinyl, carpet tiles, and bonded carpet

- For SoundLay® installed beneath laminate, sheet vinyl, carpet tiles or bonded carpet, an intermediate layer is required, 6mm thick MDF tongue and groove water resistant overlay board is available from CMSDA (thicker boards can be used).
- This intermediate layer improves stability for floor finishes, reduces point loading, carpet rucking, and joint damage to the floor finish.
- Where bonded carpets and being installed, the intermediate layer will also provide a stable surface to bond to, It is recommended that SoundLay® sheets are first bonded to the floor.
- When bonding, ensure the adhesive is suitable for polyurethane materials, as shrinkage may occur.
- All joints on the intermediate layer should be bonded using PVA adhesive, the boards should be left 5mm from the perimeter to avoid flanking transmission with the gap filled with an acoustic sealant.

Engineered Timber

- Engineered Timber (min. 14mm) can be installed directly onto SoundLay®, please confirm with the flooring manufacturer to check compatibility.
- If the resilience of SoundLay® is deemed excessive, then 6mm thick MDF tongue and groove water resistant overlay board should be installed, as per 'Laminate, sheet vinyl, carpet tiles, and bonded carpet'.

Notes

All floor finishes must be installed to the manufacturer's instructions / guidance.

Nail bound systems must not be used with SoundLay as this will compromise the material's acoustic performance.

For installations and applications not listed, please contact CMS Danskin Acoustics for guidance.

Foreseeable conditions (of use)

Internal flooring acoustic control

Foreseeable misuse

External structural flooring

Unforeseeable misuse

For unlisted applications please contact CMS Danskin Acoustics

NBS

Products are listed by CMS Danskin Acoustics on NBS Source.

- Keep the product dry and undercover.
- It is recommended that any polythene packaging be removed in the area where the product is used.
- Suitable handling equipment will be required for bulky products or pallets.
- DO NOT stack products or pallets as these will become unstable.

INSTALLATION

Separate Installation guidelines are available to request.

OPERATION

The product is intended to be static post installation. There is no operator involvement in its use.

MAINTENANCE

The products intended use and design, along with its often-inaccessible location post construction, means there are no maintenance requirements.

HEALTH & SAFETY

- Follow appropriate site material handling methods.
- When used with adhesives read and implement all Safety Data Sheet recommendations.
- As an article there is no requirement for a Safety Data Sheet.

PACKAGING & PRODUCT DISPOSAL

- Pallets can be readily re-used.
- Pallet wrap / covers should be placed in an appropriate waste stream.
- The product remains in the construction until refurbishment or demolition as such the project lead should apply the contemporary national and local regulations for waste bearing in mind site and installation contaminants.

SOUNDLAY® is a registered trademark of SIG Trading Ltd