

## TECHNICAL INFORMATION SHEET



**SoundLay**



**SoundLay Plus**

### Description

CMS SoundLay is available in two formats - SoundLay and SoundLay Plus - offering a high performance floor noise barrier and reducing both impact and airborne sound. Class 0 Foam provides a uniform density throughout the entire product unlike the reconstituted chipfoam products which have inferior fire performance that are sometimes used in these applications.

#### 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 CMS WB7.5 acoustic barrier supported by a 6mm layer of CMS Class 0 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 high performance composite is a sandwich laminate of two layers of CMS WB7.5 acoustic barrier separated by a 6mm layer of CMS Class 0 acoustic foam.

### Installation

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

The 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. CMS Bond 100 should be used. The SoundLay sheets can be pushed up to the skirting board or wall; ensure a tight fit to prevent flanking of airborne noise.

#### Carpets

Can be installed using grippers or by bonding. Contact CMS Danskin for advice on the selection and fitting of grippers. When bonding, ensure the adhesive is suitable for polyurethane materials, as shrinkage may occur. When bonding carpet, it is recommended that SoundLay sheets are first bonded to the floor, using CMS Bond 100.

#### Laminate\*

Where a wooden laminated floor finish is being used, it is recommended that a layer of 12mm T+G plywood is bonded to the SoundLay first, using CMS Bond 100.

#### Vinyl

Where vinyl floor coverings are to be used, it is recommended that a layer of 12mm T+G plywood is bonded to the SoundLay first, using CMS Bond 100.

Please note: For installations and applications not listed, please contact CMS Danskin for guidance.

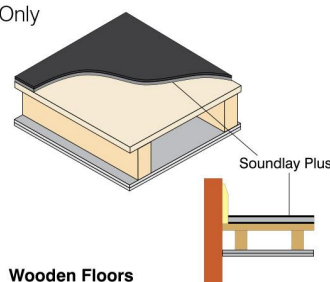
#### Recommended Adhesive

For bonding to the subfloor, CMS Danskin recommends the use of CMS Bond 100. For further guidance please contact CMS Danskin.

In addition to the supply of SoundLay systems, CMS Danskin offers a competitively priced installation service nationwide. Use of this service ensures that the installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting acoustic materials correctly. For further details contact the CMS Danskin technical team on 01925 577711.

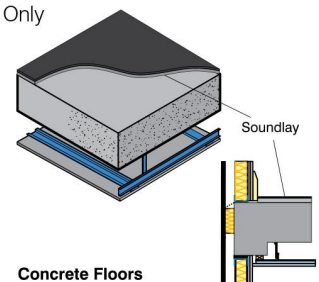
*\*Please note, nail bound systems must not be used with SoundLay as this will compromise the material's acoustic performance*

Example Only



**Wooden Floors**

Example Only



**Concrete Floors**

### Benefits

- Reduce impact sound
- Improve airborne sound performance
- Suitable for use concrete and timber floating floors
- Both systems tested on basic floor constructions
- Flexible, easily cut and simple to install
- Supplied in thin, easy to handle tiles
- Simple to install
- Cost effective
- Suitable for all final floor finishes

### Applications

- New build
- Retrofit
- Renovation
- Offices
- Residential developments
- Hotels

### Installation Service

In addition to supply of this product CMS Danskin Acoustic Solutions can provide a listing of competitively-priced approved installers that service anywhere in the UK. Use of this service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting CMS Danskin acoustic materials correctly. Please contact CMS Danskin on 01925 577711 for a list of approved and qualified installers.

## Technical Information

CMS Danskin Class 0 acoustic foam and CMS Danskin WB barrier are high performance materials that have been acoustically tested at a WAS certified independent acoustic test laboratory from which the following data has been compiled.

### Acoustic performance: Timber floors

|                           | Airborne sound insulation* | Impact sound insulation** |
|---------------------------|----------------------------|---------------------------|
| SoundLay                  | 47dB                       | 53dB                      |
| SoundLay Plus (example 1) | 49dB                       | 55dB                      |
| SoundLay Plus (example 2) | 54dB                       | 49dB                      |

\* Doc E (July 2003) Building Regulations 43/45dB (minimum)

\*\* Doc E (July 2003) Building Regulations 62/64dB (minimum)

**CMS Danskin Class 0 acoustic foam is a fully tested fire resistant foam that achieves the fire resistance requirements of British Building Regulations BS476: Part 6 & 7, satisfying the highest level Class 0.**

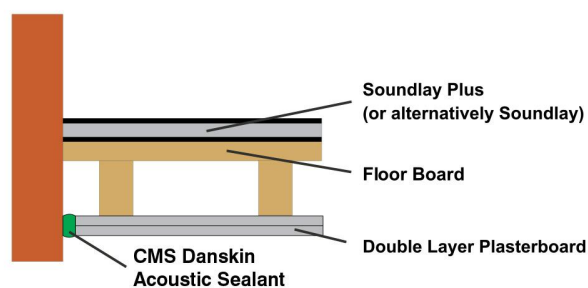
|                          |  |
|--------------------------|--|
| Flammability (FMVSS 302) | Self extinguishing                               |
| ASTM 1692:1974           | Resists ignition                                 |
| Service temperature      | < 80 °C (continuous)<br>< 110 °C (short periods) |

**CMS Danskin WB acoustic barrier material is a high-density mineral loaded thermoplastic polymer. Black in colour, ecologically neutral and recyclable it conforms to the following:**

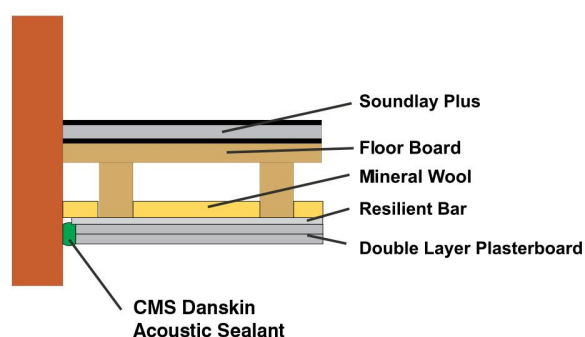
|                          |  |
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| Flammability (FMVSS 302) | Zero burn rate                                   |
| Service temperature      | < 90 °C (continuous)<br>< 120 °C (short periods) |

|               | Dimensions      | Thickness (mm) | Weight (kg/m <sup>2</sup> ) |
|---------------|-----------------|----------------|-----------------------------|
| SoundLay      | 1200mm x 1000mm | 9              | 8                           |
| SoundLay Plus | 1200mm x 1000mm | 12             | 12                          |

Example 1



Example 2



To access the CMS Danskin website for further product information please scan the QR code

**IMPORTANT:** Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.