

## TECHNICAL INFORMATION SHEET



### Benefits

- Independent Test Data available for both site and field tests to show compliance with both Approved Document E and Section H of the Building Regulations.
- When used in acoustic floors under Part E of the Building Regulations and Robust Details is accepted by the NHBC
- Standard thickness 6mm thick, although other thicknesses are available upon request
- Offers long term performance without collapse or "bottoming" out under high point loads
- Resistant to ageing and deformation
- Quick and easy to install. Simply bond to the subfloor beneath the final floor finish
- Reduces construction heights
- Suitable for both new build and refurbishments, although can be used for new build also
- High quality and exact material thickness guaranteed
- Suitable for use with under floor heating
- Very comfortable under foot
- Due to no rubber content, **Regupol® 3912** does not cause plasticizer migration when used with certain adhesives and floor finishes such as vinyl, linoleum and light coloured carpets
- Accreditation to ISO 9001, ISO 14001 and ISO 18001
- Product manufactured using Recycled Materials and 100% recyclable

### Description

**Regupol® 3912** is a tough, resilient acoustic underlay manufactured from PUR Foam and is ideally suited to refurbishment and timber based constructions to comply with Part E, 2003. It can also be used for new build but consultation with CMS Danskin Acoustics Technical Support Team is recommended prior to specification.

### Physical Information

|                    |   |
|--------------------|---|
| Roll width         | 1000mm  |
| Roll lengths       | 15m (Non standard lengths are available upon request) |
| Material thickness | 6mm   |

### Technical Information

**Regupol® 3912** conforms to the following specifications:

|   |   |
|---|---|
| Colour                                  | Black   |
| Density                                 | approx 370 kg/m <sup>3</sup>                            |
| Tensile strength (DIN 53571)            | approx 0.4 N/mm <sup>2</sup>                            |
| Elongation at break (DIN 53571)         | approx 45%  |
| Temperature resistance                  | -40 to +110°C   |
| Thermal Conductivity                    | approx 0.12 W/mk  |
| Thermal resistance (DIN 52612)          | 1/λ = 0.049 K/W   |
| Impact sound insulation:ΔLW             | 23dB (measured in accordance with BS EN ISO 140-8:1998) |
| Airborne sound insulation (DnT,w + Ctr) | 52.3dB (mean average)*                                  |
| Impact sound insulation (LnT,w)         | 49.5dB (mean average)*                                  |

\* Values based on independent field test data, available on request

### Installation Guidelines

Detailed Installation Guidelines and health and safety data sheets are available upon request. Also, all rolls of **Regupol® 3912** come supplied with installation guidelines. Application examples are shown overleaf. Please contact CMS Danskin for a list of approved and qualified installers.

*N.B. Please ensure all floor finishes e.g. carpet and hardwood floors, etc. are laid in accordance with the manufacturer's instructions.*

### Storage

**Regupol® 3912** must be stored indoors. At no time must the **Regupol® 3912** be exposed to the elements of the weather.

**Regupol® 3912** must always be kept dry, otherwise moisture will build up in the material and will subsequently make bonding to the subfloor very difficult. Moisture will also cause the material to curl and ripple at the edges once unrolled.

It is recommended that the polythene packaging be removed in the area where it shall be applied.

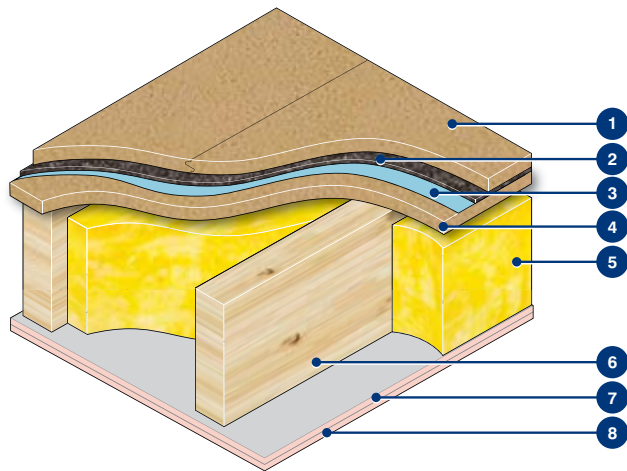
### Installation Service

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. For further details contact our technical team on 01925 577711.

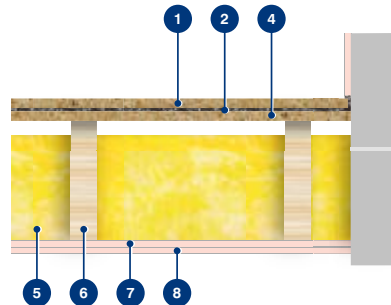
## Installation Examples

### Example 1\*

Airborne Sound Insulation (DnTw + Ctr) - 52.3db (mean average)  
Impact Sound Insulation (LnTw) - 49.5db (mean average)



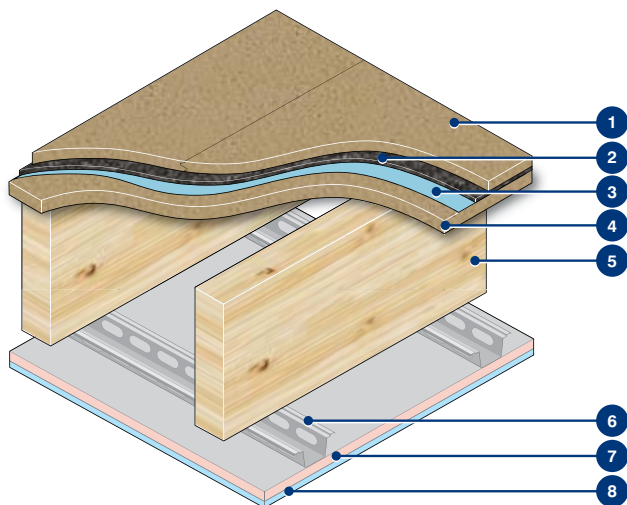
#### Ceiling Detail



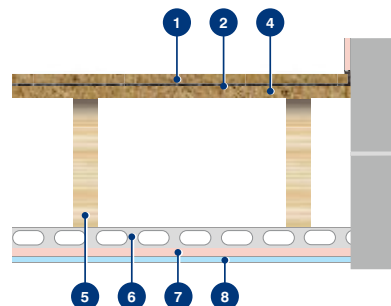
- 1 18mm T&G Chipboard or \*\*Carpet Floor Finish
- 2 Regupol® 3912
- 3 CMS Bond 100 or equal approved
- 4 18mm T & G Chipboard mechanically fixed joists
- 5 9.8kg/m³ loft roll, 200mm thick
- 6 225mm deep x 50mm wide wooden joists at 40mm centres
- 7 1 layer of Fireline/ Fireshield
- 8 1 layer of standard plasterboard

### Example 2\*

Airborne Sound Insulation (DnTw + Ctr) - 53db (mean average)  
Impact Sound Insulation (LnTw) - 52db (mean average)



#### Ceiling Detail



- 1 18mm T&G Chipboard or \*\*Carpet Floor Finish
- 2 Regupol® 3912
- 3 CMS Bond 100 or equal approved
- 4 22mm Chipboard
- 5 250mm deep x 50mm wide joists
- 6 Suspended 75mm timber frame ceiling on resilient bar
- 7 1 x 19mm Gyproc Plank
- 8 1 x 12.5mm SoundBloc

\*\* Carpet can be laid directly over the Regupol 3912 and can either be bonded directly to the Regupol 3912 or installed in the same manner as a standard carpet installation

\* All illustrations for example purposes only



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.

### Important Note

Please note that **Regupol® 3912** consists of PUR foam and no rubber crumb. When comparing alternative products please be cautious where a 'direct equivalent' is offered. Many alternatives consist of a rubber compound which can cause plasticizer migration when used with certain floor finishes.

CMS Danskin Acoustics will not accept liability for products sold as a **Regupol® 3912** equivalent.

**Regupol® and Regufoam® are registered trade marks of BSW GmbH**

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