



Regupol®

# TECHNICAL DATA SHEET

## REGUPOL® 3912 ACOUSTIC UNDERLAYMENT FOR REFURBISHMENTS AND TIMBER BASED CONSTRUCTIONS

### PRODUCT 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. It can also be used for new build but consultation with CMS Danskin Acoustics Technical Support Team is recommended prior to specification.

### 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
- Manufactured using Recycled Materials and 100% recyclable



### PHYSICAL INFORMATION

Roll length	15m (Non standard lengths are available upon request)
Roll width	1m
Material thickness (mm)	6

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## TECHNICAL DATA\*

Regupol® 3912 conforms to the following specifications:

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

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

## INSTALLATION GUIDELINES

Detailed Installation Guidelines are available upon request. Also, all rolls of Regupol® 3912 come supplied with installation guidelines. Application examples are shown overleaf. Please contact CMS Danskin Acoustics 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 Acoustics 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 Acoustics materials correctly. For further details contact our technical team on 01925 577711.

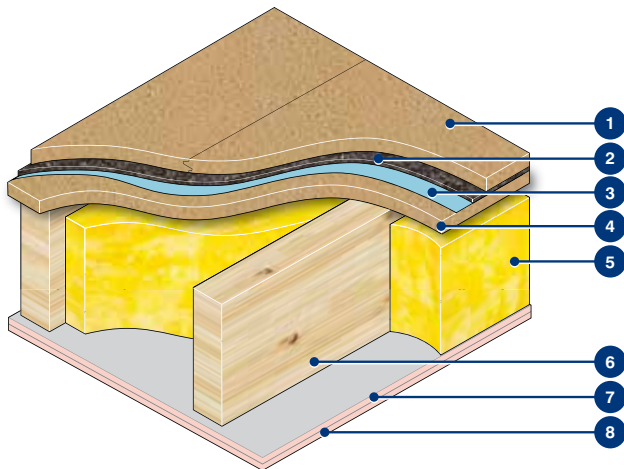
## INSTALLATION EXAMPLES

### Example 1\*

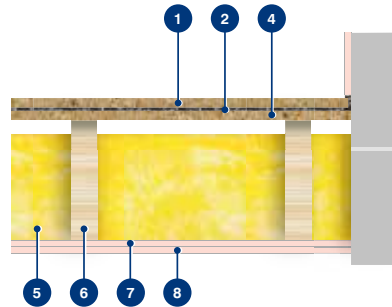
Airborne Sound Insulation (DnTw + Ctr) - 52.3db (mean average)

Impact Sound Insulation (LnTw) - 49.5db (mean average)

\* Please refer to KR Associates Report Ref. KR02805 for full report



Ceiling Detail



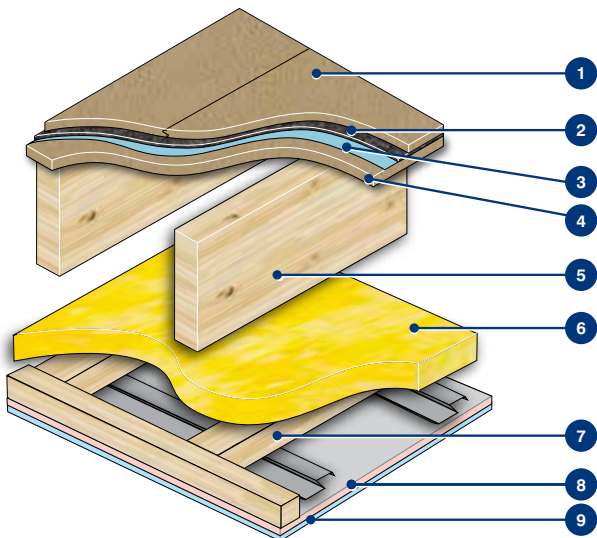
- 1 18mm T&G Chipboard or  
\*\*Carpet Floor Finish
- 2 Regupol® 3912
- 3 Regupol® Regubond 100 or  
equal approved
- 4 18mm T & G Chipboard  
mechanically fixed joists
- 5 9.8kg/m<sup>3</sup> loft roll. 200mm  
thick
- 6 225mm deep x 50mm wide  
wooden joists at 400mm  
centres
- 7 1 layer of Fireline/Fireshield
- 8 1 layer of standard  
plasterboard

### Example 2\*

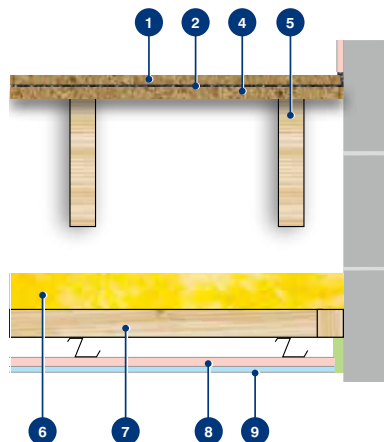
Airborne Sound Insulation (DnTw + Ctr) - 53db (mean average)

Impact Sound Insulation (LnTw) - 52db (mean average)

\* Please refer to Pace Report Ref. PAC-07-0127-RP1 for full report



Ceiling Detail



- 1 18mm T&G Chipboard or  
\*\*Carpet Floor Finish
- 2 Regupol® 3912
- 3 Regupol® Regubond 100 or  
equal approved
- 4 22mm Chipboard
- 5 250mm deep x 50mm wide  
joists
- 6 Minimum 75mm mineral  
wool minimum 45kg/m<sup>2</sup>
- 7 Suspended 75mm timber  
frame ceiling on resilient bar
- 8 1 x 19mm Gyproc Plank
- 9 1 x 12.5mm SoundBloc

All illustrations for example purposes only

\*\* 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

NSPlus

#### 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.

## CMS DANSKIN ACOUSTICS

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**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.

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