

TECHNICAL INFORMATION SHEET



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 ³
Tensile strength (DIN 53571)	approx 0.4 N/mm ²
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: ΔL _W	23dB (measured in accordance with BS EN ISO 140-8:1998)
Airborne sound insulation (D _{nT,w} + C _{tr})	52.3dB (mean average)
Impact sound insulation (L _{nT,w})	49.5dB (mean average)

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.

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

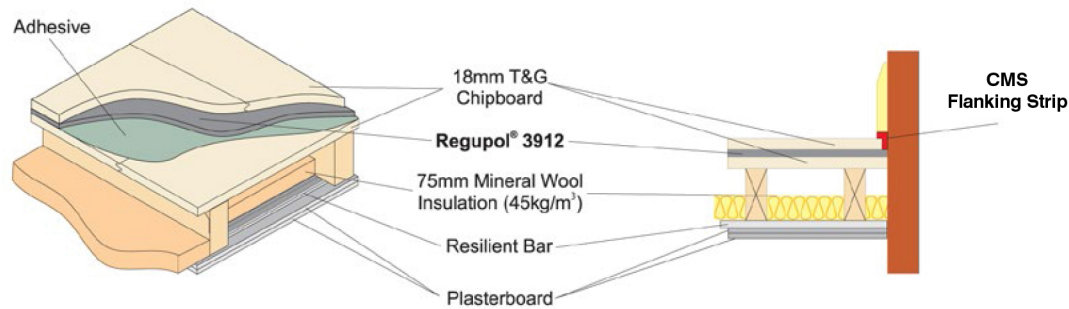
Installation Examples

Example 1*

18mm T&G chipboard laid over **Regupol® 3912** adhered to 18mm T&G chipboard, directly fixed to timber joists, 8" x 2", with 75mm mineral wool between joists and two layers of 12.5mm thick plasterboard fixed to resilient bar.

Airborne Sound Insulation R_w (C;C_{tr}) 54dB
(measured in accordance with BS EN ISO 140-3:1995)

Impact Sound Insulation (L'nT,w) 43dB
(measured in accordance with BS EN ISO 140-6:1998)

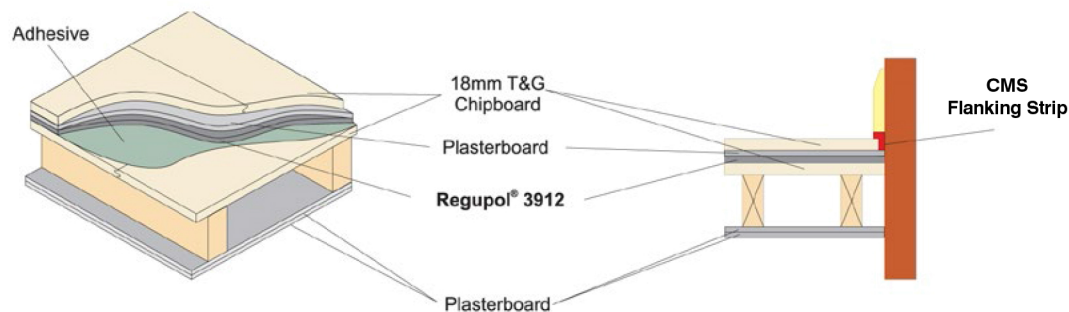


Example 2*

18mm T&G chipboard laid over 19mm plasterboard plank, over **Regupol® 3912** adhered to 18mm T&G chipboard, directly fixed to timber joists, 8" x 2" and two layers of 12.5mm thick plasterboard fixed to the joists.

Airborne Sound Insulation R_w (C;C_{tr}) 49dB
(measured in accordance with BS EN ISO 140-3:1995)

Impact Sound Insulation (L'nT,w) 55dB
(measured in accordance with BS EN ISO 140-6:1998)



Example 3*

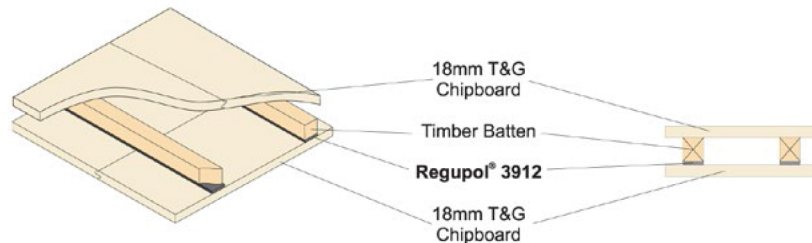
Regupol® 3912 is a very versatile product within the refurbishment market and can also be used with batten floor systems, an example of which is detailed below.

18mm T&G chipboard fixed to timber battens laid on **Regupol® 3912** adhered to 18mm T&G chipboard.

Regupol® 3912 can be cut to suit a variety of different batten widths, giving greater flexibility when selecting the batten size.

Regupol® 3912 is only 6mm thick, therefore minimises floor heights, which can often be the disadvantage in using standard "off the shelf" batten systems.

Regupol® 3912 can be fixed to the top or bottom of battens



*Diagrams for examples purposes only



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

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.