



TECHNICAL DATA

REGUPOL SONUS MULTI 2

formerly REGUPOL 4515 Multi

Product

Tough and resilient acoustic underlay that has been developed to attenuate impact sound beneath a range of floor finishes, delivering exceptional acoustic performance without ageing or collapsing.

Features and Benefits

- Suitable for a variety of floor finishes
- Offers long term performance without collapse or bottoming out under high point loads
- Suitable for underfloor heating
- Resistant to ageing and deformation
- Quick and easy to install simply bond to the subfloor beneath the final floor finish
- Independent Test Data available showing compliance with Approved Document E
- Product manufactured using recycled materials and 100% recyclable
- Manufacturing facility certified to ISO 9001, ISO 45001, ISO 14001, ISO 50001

Applications

Widely used in developments where effective sound control is essential and interior design flexibility is a priority. These include

- Apartments
- Educational
- Hotels
- Commercial
- Leisure
- Bespoke architectural projects
- Care homes

Physical information

Roll width	1000mm	
Roll length	30m	
Material thickness	2mm	
Weight per roll / per m ²	28kg	0.93kg/m ²
Material composition	PUR foam/Cork	









Acoustical Performance*	Standard	Result	Comment
12mm timber plank, REGUPOL sonus multi 2,	BS EN ISO 140-7:1998	L' _{nT,w} 52 dB	Test report 15614-SI-01-IF3
140mm concrete slab	DC FN ICO 140 7:1000		Tost report
12mm timber plank, REGUPOL sonus multi 2	BS EN ISO 140-7:1998	L' _{nT,w} 48 dB	Test report 15614-SI-01-IF6
on leveling screed, 140mm concrete slab			

^{*}Assembly from top to bottom

Material properties	Standard	Result
Density		approx. 420kg/m³
Elongation at break	DIN EN ISO 1798	≥ 15 %
Tensile strength		≥ 0.7 N/mm²

Type of screed or base - Measurement criteria Screeds to receive applied flexible floorings

	Maximum gap measured with a slip gauge				
BS 8203.2-m Straight edge laid in contact with the screed	SR1	3mm			
	SR2	5mm			
	SR3	10mm			
Screeds to receive toppings or in situ applied flo	oorings				
	Maximum gap measured with a slip gauge				
BS 8204-1.2-m Straight edge laid in contact with the screed	SR1	3mm			
	SR2	5mm			
	SR3	10mm			
Screeds to receive adhesive fixed rigid tile applied floorings					
	Maximum gap measured with a slip gauge				
BS 5385-3.2-m Straight edge laid in contact with the screed	SR1	3mm			
	SR2	5mm			
	SR3	10mm			
Screeds to receive timber flooring					
BS 8201	Maximum gap measured with a slip gauge				
Localised variations in level should not exceed +/- 3mm from the mean when measured over a 2m-distance using a straight edge	SR1	3mm			
	SR2	5mm			
	SR3	10mm			





Floor assembly

LVT and Vinyl sheeting



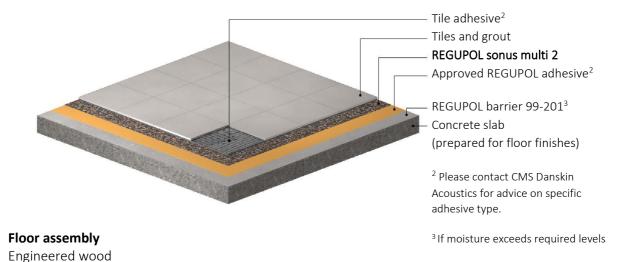
LVT or Vinyl sheeting
Approved REGUPOL adhesive²
REGUPOL sonus multi 2
Approved REGUPOL adhesive²
REGUPOL barrier 99-201³
Concrete slab
(prepared for floor finishes)

² Please contact CMS Danskin Acoustics for advice on specific adhesive type.

Important note: When using furnishings with high point loads, we recommend the use of load spreading furniture cups.

Floor assembly

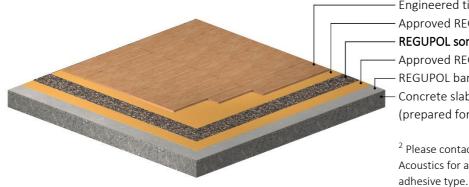
Tiled finishes



³ If moisture exceeds required levels







Engineered timber flooring Approved REGUPOL adhesive²

REGUPOL sonus multi 2

Approved REGUPOL adhesive² REGUPOL barrier 99-2013 Concrete slab (prepared for floor finishes)

² Please contact CMS Danskin Acoustics for advice on specific

³ If moisture exceeds required levels

Floor assembly Laminate flooring



Laminate flooring **REGUPOL sonus multi 2** Approved REGUPOL adhesive² REGUPOL barrier 99-201³

Concrete slab (prepared for floor finishes)

Floor assembly example

Carpet



Carpet Approved REGUPOL adhesive² REGUPOL sonus multi 2

Approved REGUPOL adhesive²

REGUPOL barrier 99-201³ Concrete slab (prepared for floor finishes)

² Please contact CMS Danskin Acoustics for advice on specific adhesive type.

³ If moisture exceeds required levels.

² Please contact CMS Danskin Acoustics for advice on specific adhesive type.

³ If moisture exceeds required levels





Installation

Full installation guidelines are available on request. However, key points to observe are:

- Area of installation must be dry, dirt and dust free and weather tight.

 If over 75% RH, use **REGUPOL barrier 99-201**. To determine RH, please use a Hygrometer.
- **REGUPOL sonus multi** should be unwound and left for a minimum 8 hours or ideally overnight at the place where it is to be installed, to allow for any potential shrinkage.
- The subfloor must be sound, smooth and dry. A self-levelling compound may be required to achieve the desired 'SR' value.
- **REGUPOL sonus multi** acoustic underlays can be easily installed providing the CMS Danskin Acoustics installation guidelines are followed at all times.
- When bonding to bare concrete a suitable concrete sealer is recommended to ensure maximum adhesive coverage and bond strength.
- When installing timber flooring over **REGUPOL sonus multi** always use a flanking band around the perimeter to reduce impact transmissions into walls.
- When installing ceramic tiles, stone and vinyl flooring leave at least a 3mm gap around the perimeter which should be filled with a flexible sealant.

Storage

REGUPOL sonus multi must be stored indoors. At no time must the **REGUPOL sonus multi** be exposed to the elements of the weather. **REGUPOL sonus multi** 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.

IMPORTANT: The information provided within this document is believed correct and to the best of our available knowledge at its revision date and is provided as suggestion for safe handling, storage, transportation, use and disposal. The information should not be considered abligation in respect of warranty of (technical) performance, quality (specification) or suitability for any application or design. The customer must satisfy themself the product (or draft specification) are relevant and suitable for their need and design intent. Prospective users should test a sample of product under their own conditions to satisfy themselves of its suitability for intended purpose and that expert advice be sought where different applications are contemplated. Due to our policy of continuous improvement we reserve the right to alter or amend published specification or design without prior notice. Reproduction of any part of this publication in any manner is not permitted without our prior written consent.