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 m²	28kg	0.93kg/m²
Material composition	PUR foam/Cork	

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

*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 floorings		
	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		
	Maximum gap measured with a slip gauge	
BS 8201 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

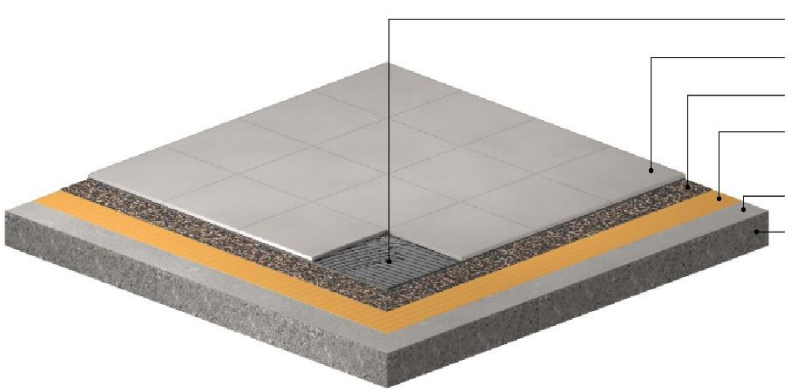
Floor assembly
LVT and Vinyl sheeting

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

[3] If moisture exceeds required levels

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

Floor assembly
Tiled finishes



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

[3] If moisture exceeds required levels

Floor assembly
Engineered wood

Engineered timber flooring
Approved REGUPOL adhesive[2]
REGUPOL sonus multi 2
Approved REGUPOL adhesive[2]
REGUPOL barrier 99-201[3]
Concrete slab
(prepared for floor finishes)

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

[3] If moisture exceeds required levels

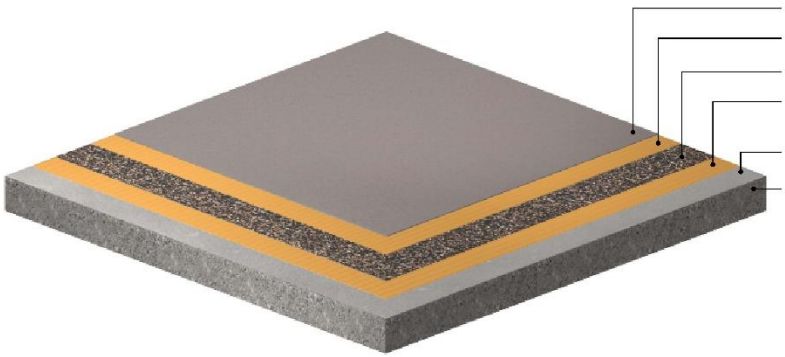
Floor assembly
Laminate flooring

Laminate flooring
REGUPOL sonus multi 2
Approved REGUPOL adhesive[2]
REGUPOL barrier 99-201[3]
Concrete slab
(prepared for floor finishes)

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

[3] If moisture exceeds required levels.

Floor assembly example
Carpet



Carpet
Approved REGUPOL adhesive[2]
REGUPOL sonus multi 2
Approved REGUPOL adhesive[2]
REGUPOL barrier 99-201[3]
Concrete slab
(prepared for floor finishes)

[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.