

TECHNICAL DATA

REGUPOL SONUS CORE 10-S/15-S

formerly REGUPOL 6010 SH

FOR TIMBER CONSTRUCTION

Product

A recycled tyre crumb product for the treatment of timber based subfloors where superior acoustic performance is required. **REGUPOL sonus core 10-S/15-S** delivers the greatest load bearing capacity in the CMS Danskin Acoustics underscreed range.

REGUPOL sonus core 10-S/15-S meets the requirements of Approved Document E (England & Wales), Technical Booklet G (Northern Ireland) and Section 5 of the Building Regulations (Scotland).

Certification

- **Cradle to Cradle Certified®** is a registered trademark of the Cradle to Cradle Products Innovation Institute.
- Manufacturer EPD available upon request.
- Green Circle Certified.

Features and Benefits

- Excellent impact and airborne performance
- Offers long term performance without collapse or “bottoming” out under high point loads
- Resistant to ageing and deformation
- Quick and easy to install
- High quality and exact material thickness guaranteed
- Mildew and moisture proof
- Manufactured using recycled materials – the proportion of pre and post-consumer content is listed in the products Green Circle Certificate which is available upon request.
- Manufacturing facility certified to ISO 9001, ISO 45001, ISO 14001, ISO 50001

Applications

Designed for a wide range of high-performance isolation applications, **REGUPOL sonus core 10-S/15-S** is particularly suited to heavily loaded areas in:

- Luxury apartments
- Penthouses
- Hotels
- Schools
- Hospitals
- Libraries
- Retail
- Music studios



Physical information

Roll width	1250mm	
Roll length	10m	
Material thickness	10 or 15mm	
Weight per roll / per m ²	73.5kg	5.88kg/m ²
	112.5kg	9.00kg/m ²
Material composition	Recycled Rubber	

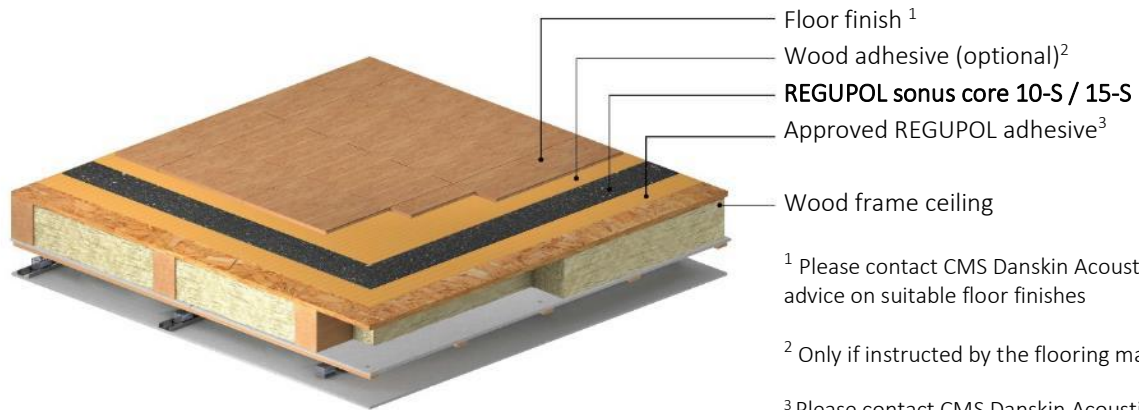
Acoustical Performance	Standard	Result	Comment
18mm T&G Chipboard REGUPOL sonus core 15-S	BS EN ISO 140-6: 1998	L _{nw} (C1) 59dB	Test report 4127a
18mm T&G Chipboard screwed on 195mm x 50mm timber joists @600mm ctrs Ceiling on resilient bars @ 450mm ctrs 2 layers of 12.5mm wallboard plasterboard (8.3kg/m ²) taped and jointed. 45mm mineral fibre between (45kg/m ²)	BS EN ISO 140-3:1995	R _w (C;Ctr) 56dB	Test report 4126a

Material properties	Standard	Result
Density		approx. 575 kg/m ³
Maximum traffic load		150 kN/m ²
Mean dynamic stiffness value	DIN EN 29052-1	$s'_t = 28 \text{ MN/m}^3$
Elongation at break	DIN EN ISO 1798	≥ 50 %
Tensile strength	DIN EN ISO 1798	≥ 0.3 N/mm ²

Thermal behaviour	Standard	Result
Thermal conductivity	DIN EN 12667	approx. $\lambda = 0.09 \text{ W/(mK)}$
Thermal resistance	DIN EN 12667	approx. $R = 0.17 \text{ (m}^2\text{K)/W}$
Temperature resistance		-20 to +60° C

Fire behaviour	Standard	Result
Fire classification	DIN EN 13501-1	E

Installation example



Floor finish ¹
 Wood adhesive (optional)²
REGUPOL sonus core 10-S / 15-S
 Approved REGUPOL adhesive³
 Wood frame ceiling

¹ Please contact CMS Danskin Acoustics for advice on suitable floor finishes

² Only if instructed by the flooring manufacturer.

³ Please contact CMS Danskin Acoustics for advice on specific adhesive type.

NBS

- Regupol products are listed by CMS Danskin Acoustics on NBS Source.

General Storage and Handling

- keep the product dry and undercover.
- suitable handling equipment will be required for bulky products or pallets.
- DO NOT stack products or pallets as these will become unstable.

Installation

- Separate Installation guidelines by final floor finish are available to request.

Operation

- The product is intended to be static post installation. There is no operator involvement in its use.

Maintenance

- The products intended use and design, along with its often-inaccessible location post construction, means there are no maintenance requirements.

Health & Safety

- follow appropriate site material handling methods.
- when used with adhesives read and implement all Safety Data Sheet recommendations.
- as an article there is no requirement for a Safety Data Sheet.

Packaging & Product Disposal

- pallets can be readily re-used.
- pallet wrap / covers should be placed in an appropriate waste stream.
- the product remains in the construction until refurbishment or demolition as such the project lead should apply the contemporary national and local regulations for waste bearing in mind site and installation contaminants.

***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 obligation in respect of warranty of (technical) performance, quality (specification) or suitability for any application or design. The customer must satisfy themselves 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.*