

TECHNICAL DATA

REGUPOL SONUS CURVE 8

formerly REGUPOL E48

Product

Recycled tyre crumb product designed to isolate screeds from the main structure of the building, reducing impact energy generated by general footfall.

REGUPOL sonus curve 8 offers enhanced acoustic performance at loads up to and including 30 kN/m² and having a dimpled surface on one side increases air movement, further aiding overall performance.

REGUPOL sonus curve 8 meets the requirements of Approved Document E (England & Wales), Technical Booklet G (Northern Ireland) and Section 5 of the Building Regulations (Scotland).

Material

- PUR-bonded recycled rubber fibres
- Dimpled profile on the underside

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
- Minimises construction heights
- Mildew and moisture proof
- Product manufactured using recycled materials and 100% recyclable
- REGUPOL is certified to ISO 9001, ISO 45001, ISO 14001, ISO 50001

Applications

REGUPOL sonus curve 8 has been developed to offer enhanced isolation and impact sound performance in:

- Apartments
- Hospitals
- Hotels
- Retail
- Schools

Physical information

Roll width	1150mm	
Roll length	13m	
Material thickness	8mm	
Weight per roll / per m ²	57kg	3.6kg/m ²
Material composition	Recycled Rubber	



¹ Tested as per French VOC regulation décret n° 2011-321

Acoustical Performance	Standard	Result	Comment
REGUPOL sonus curve 8, Heavyweight Standard Floor	BS EN ISO 140-4:1998	$L'_{nT,w}$ 47 dB	Mean value**
	BS EN ISO 140-7:1998	$D_{nT,w}$ 49 dB	
100 mm reinforced concrete, REGUPOL sonus curve 8, 140 mm concrete slab	DIN ISO 10140-3	$\Delta L_w \geq 21$ dB	Test report
	DIN EN ISO 717-2	$L_{n,w}$ 57 dB	024-H418-42823
	DIN EN ISO 10140-1	R_w 61 dB	024-H417-42823
	DIN EN ISO 717-1		

** Independent test reports available upon request.

Material properties	Standard	Result
Density		approx. 575 kg/m ³
Maximum surface load		30 kN/m ²
Mean dynamic stiffness value	DIN EN 29052-1	$s'_t \leq 30$ MN/m ³
Compressibility	DIN EN 12431	$c \leq 1$ mm

Thermal behaviour	Standard	Result
Thermal conductivity	DIN EN 12667	$\lambda = 0.075$ W/(mK)
Thermal resistance	DIN EN 12667	$R = 0.08$ (m ² K)/W
Temperature resistance		-20 to +60° C

Health protection	Standard	Result
VOC	DIN EN 16516	compliant with EU-LCI list and German AgBB scheme; "A+" as per décret n°2011-321

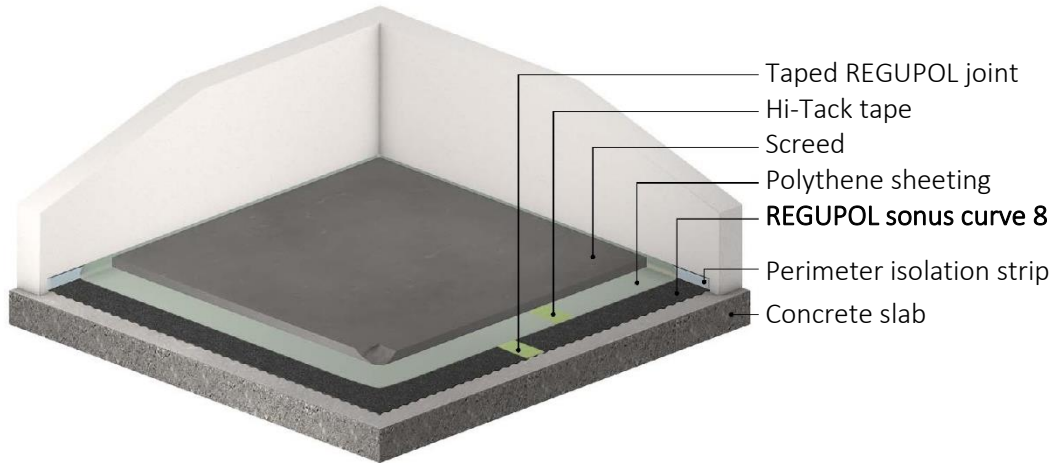
Installation

Full installation guidelines are available upon request.

Storage

REGUPOL sonus curve should be protected from moisture during storage, transport and installation.

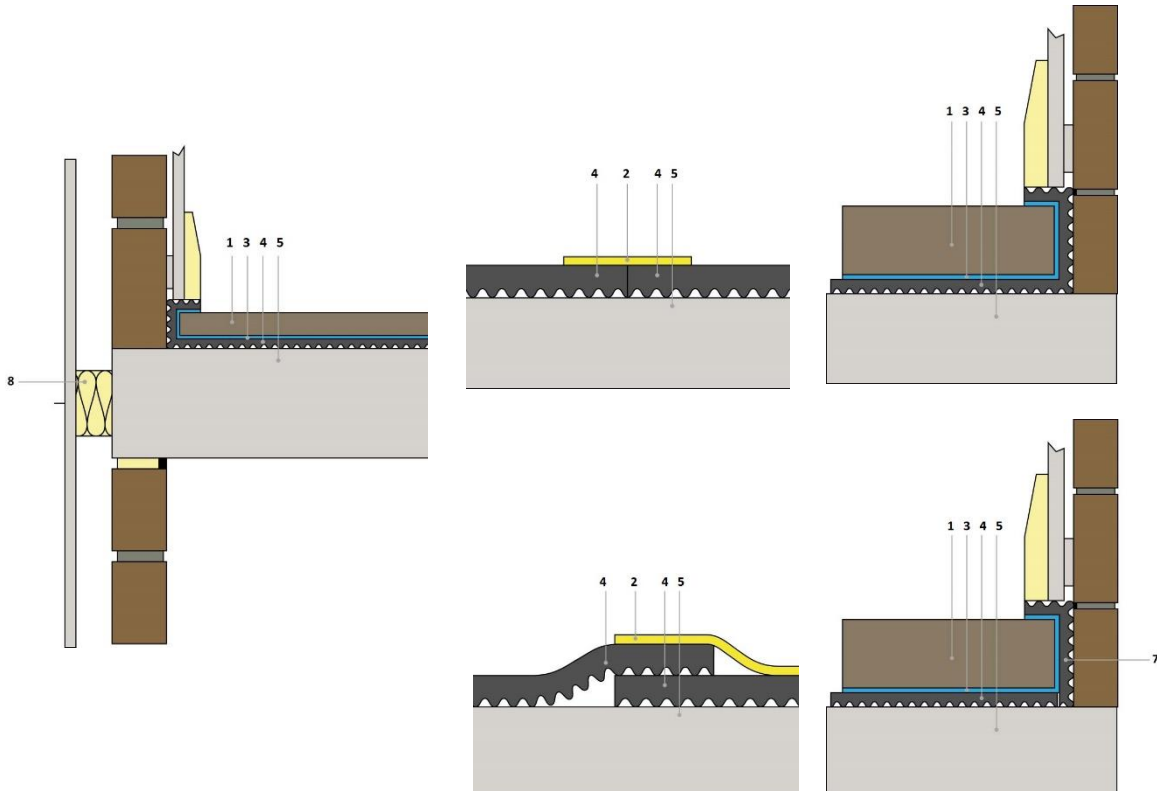
Floor assembly example
Cement screed



Construction Detail

Joint Details

Perimeter Details



- 1 Screed
- 2 Hi-Tack tape
- 3 Polythene sheeting
- 4 **REGUPOL sonus curve**

- 5 Concrete slab
- 6 Suspended ceiling system
- 7 Perimeter isolation strip
- 8 Acoustic cavity closer

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.