

TECHNICAL DATA

REGUPOL SONUS CORE 3

formerly REGUPOL 7210 C



Product

Impact sound insulating underlayment for various floor structures under screed beds, floating floors and ceramic tiles.

Material

PUR-bonded recycled rubber granules

Weight

5.6 kg/sheet – 2.15 kg/m²

Dimensions

Length: 2,250 mm, Width: 1,150 mm, Thickness: 3 mm



REGUPOL sonus core 3 is Cradle to Cradle Certified® at the Bronze level.

Applications

Under screed beds, other floating floors and ceramic tiles for both residential and commercial use

Certification

GreenCircle certified for recycled content and can potentially qualify for up to 8 LEED points.

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.

Acoustical Performance*	Standard	Result	Comment
Under screed:			
60 mm cement screed, REGUPOL sonus core 3 , 140 mm concrete slab	DIN EN ISO 10140-3 DIN EN ISO 717-2	ΔL_w 18 dB	Test report AB-0001-T-301568-06-16
45 mm prefab anhydrite screed REGUPOL sonus core 3 , 140 mm concrete slab	DIN EN ISO 10140-3 DIN EN ISO 717-2	ΔL_w 20 dB $L_{n,w}$ 56 dB	Test report 152-H110-42557
	ASTM E989-06	IIC 53 (Δ IIC 22)	

*Assembly from top to bottom

Material properties	Standard	Result
Maximum traffic load		60 kN/m ²
Compressibility	DIN EN 12431	$c \leq 0.5$ mm
Compressive stress-strain characteristic at 25% compression (CC25)	DIN EN ISO 3386-2	approx. 600 kPa
Elongation at break	DIN EN ISO 1798	≥ 35 %
Tensile strength	DIN EN ISO 1798	≥ 0.4 N/mm ²

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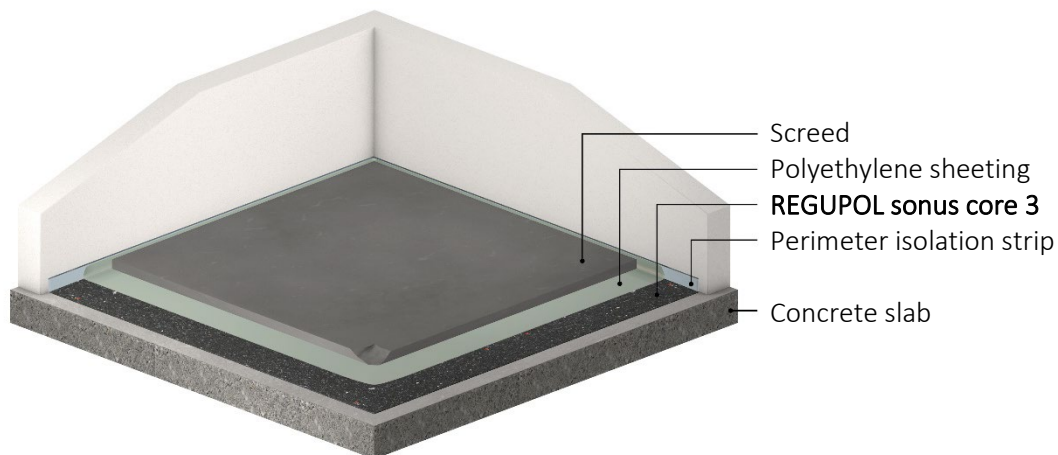
Thermal behaviour	Standard	Result
Thermal conductivity	DIN EN 12667	$\lambda = 0.06 \text{ W/(mK)}$
Thermal resistance	DIN EN 12667	$R = 0.05 \text{ (m}^2\text{K)/W}$
Temperature resistance		-20 to +60° C

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

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

Floor assembly example

Cement screed



For more assemblies and test reports, please visit www.regupol.com