TECHNICAL DATA

REGUPOL SONUS CORE 5

formerly REGUPOL 7210 C

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

Material
PUR-bonded recycled rubber granules

Weight
3.9 kg/m²

Dimensions
Length: 2,250 mm, Width: 1,150 mm, Thickness: 5 mm

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

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

Acoustical Performance*	Standard	Result	Comment
Under screed:			
45 mm anhydrite screed, **REGUPOL sonus core 5,** 140 mm concrete slab	DIN EN ISO 10140-3 DIN EN ISO 717-2 ASTM E989-06	ΔL_w 21 dB $L_{n,w}$ 55 dB IIC 55 (ΔIIC 23)	Test report 152-H114-42557
Under timber flooring:			
8 mm laminate flooring (loose laid), **REGUPOL sonus core 5,** 150 mm concrete slab	ISO 140-8 AS ISO 717-2 ASTM E989-06	ΔL_w 19 dB $L_{n,w}$ 59 dB IIC 51	Test report RG90-INR216-11-1
12 mm hardwood flooring (loose laid), **REGUPOL sonus core 5,** 203 mm concrete slab	ASTM E989-06	IIC 56	Test report E1552.02-113-11-R0
Under ceramic tiles:			
8 mm ceramic tile, 30 mm bonded screed, **REGUPOL sonus core 5** 150 mm concrete slab	ISO 140-8 AS ISO 717-2 ASTM E989-06	ΔL_w 21 dB $L_{n,w}$ 58 dB IIC 52	Test report RG92-INR216-01-1

*Assembly from top to bottom

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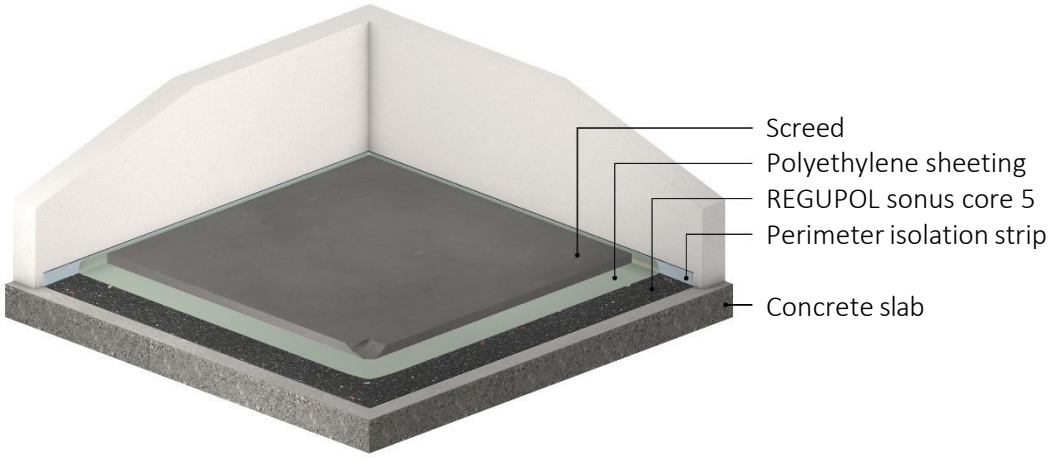
Material properties	Standard	Result
Maximum traffic load		60 kN/m²
Compressibility	DIN EN 12431	c ≤ 0.5 mm
Compressive stress-strain characteristic at 25% compression (CC25)	DIN EN ISO 3386-2	approx. 600 kPa
Elongation at break	DIN EN ISO 1798	≥ 40 %
Tensile strength	DIN EN ISO 1798	≥ 0.4 N/mm²

Thermal behaviour	Standard	Result
Thermal conductivity	DIN EN 12667	λ = 0.06 W/(mK)
Thermal resistance	DIN EN 12667	R = 0.083 (m²K)/W
Temperature resistance		-20 to +60° C

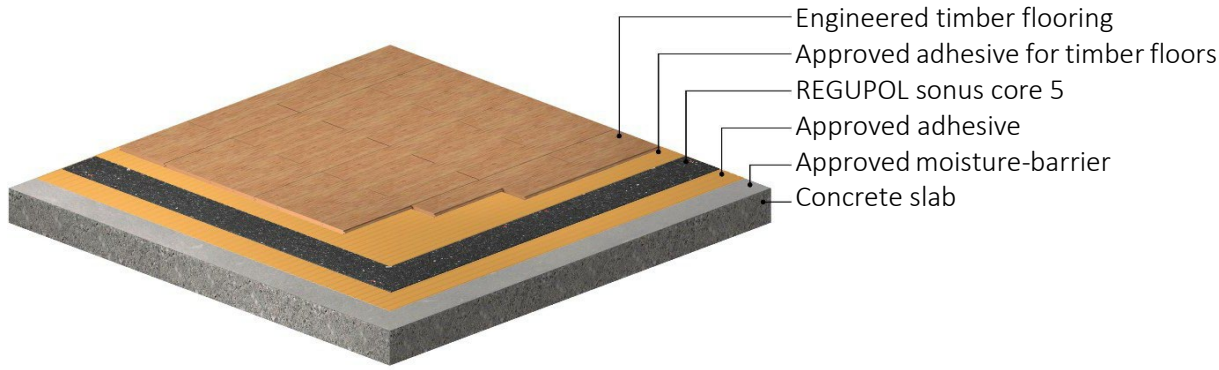
Fire behaviour	Standard	Result
Fire classification	DIN EN 13501-1	E

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

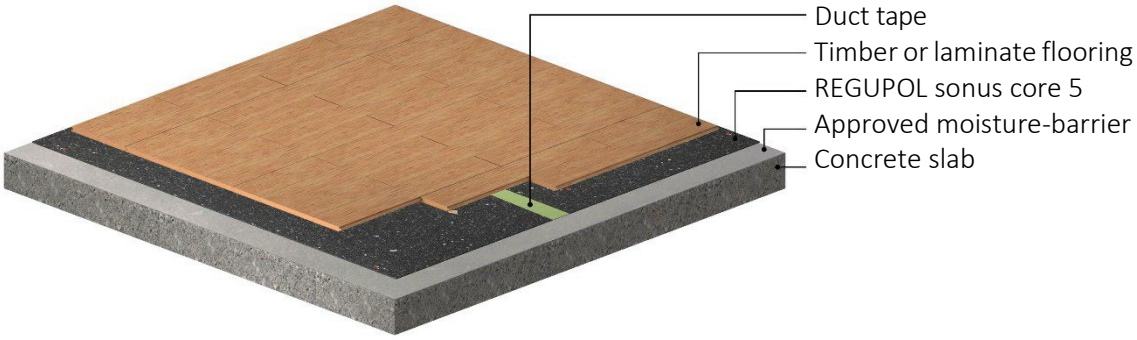
Floor assembly example
Cement screed



Floor assembly example
Dual-bonded timber flooring



Floor assembly example
Non-bonded timber or laminate flooring



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