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
2.3 kg/m²

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

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.

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 ASTM E989-06	ΔL_w 20 dB $L_{n,w}$ 56 dB IIC 53 (ΔIIC 22)	Test report 152-H110-42557

*Assembly from top to bottom

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	≥ 35 %
Tensile strength	DIN EN ISO 1798	≥ 0.4 N/mm²

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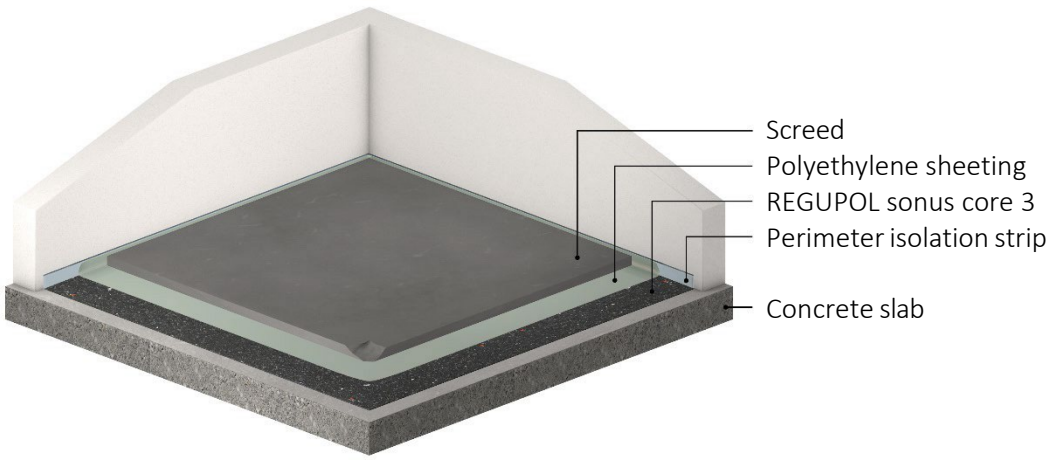
Thermal behaviour	Standard	Result
Thermal conductivity	DIN EN 12667	λ = 0.06 W/(mK)
Thermal resistance	DIN EN 12667	R = 0.05 (m^2K)/W
Temperature resistance		-20 to +60° C

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