

TECHNICAL DATA

REGUPOL SONUS CURVE 6



Product

Sustainable impact and airborne sound insulating underlayment for various floor structures under screed beds and floating floors.

Material

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



Weight

70.0 kg/roll – 3.5 kg/m²

Dimensions

Length: 18,000 mm, Width: 1,250 mm, Thickness: 6 mm



Applications

Under cement or gypsum screed beds, concrete or timber toppings and other floating floor solutions 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
Under cement screed:		
40 mm cement screed, REGUPOL sonus curve 6 , 100 mm concrete slab	ISO 10140-3 ISO 717-2	$\Delta L_w \geq 18$ dB
Under ceramic tiles:		
8 mm ceramic tiles 30 mm bonded screed, REGUPOL sonus curve 6 , 150 mm concrete slab	ISO 10140-3 ISO 717-2 ASTM E492-09 ASTM E989-06	$L_{n,w} = 52$ dB $\Delta L_w = 24$ dB IIC 57
Under engineered timber:		
14 mm engineered timber (floating) REGUPOL sonus curve 6 , 150 mm concrete slab	ISO 10140-3 ISO 717-2 ASTM E492-09 ASTM E989-06	$L_{n,w} = 58$ dB $\Delta L_w = 17$ dB IIC 51
13 mm engineered timber (floating) REGUPOL sonus curve 6 , 152 mm concrete slab with suspended ceiling	ASTM E492-09 ASTM E989-06	IIC 68

*Assembly from top to bottom

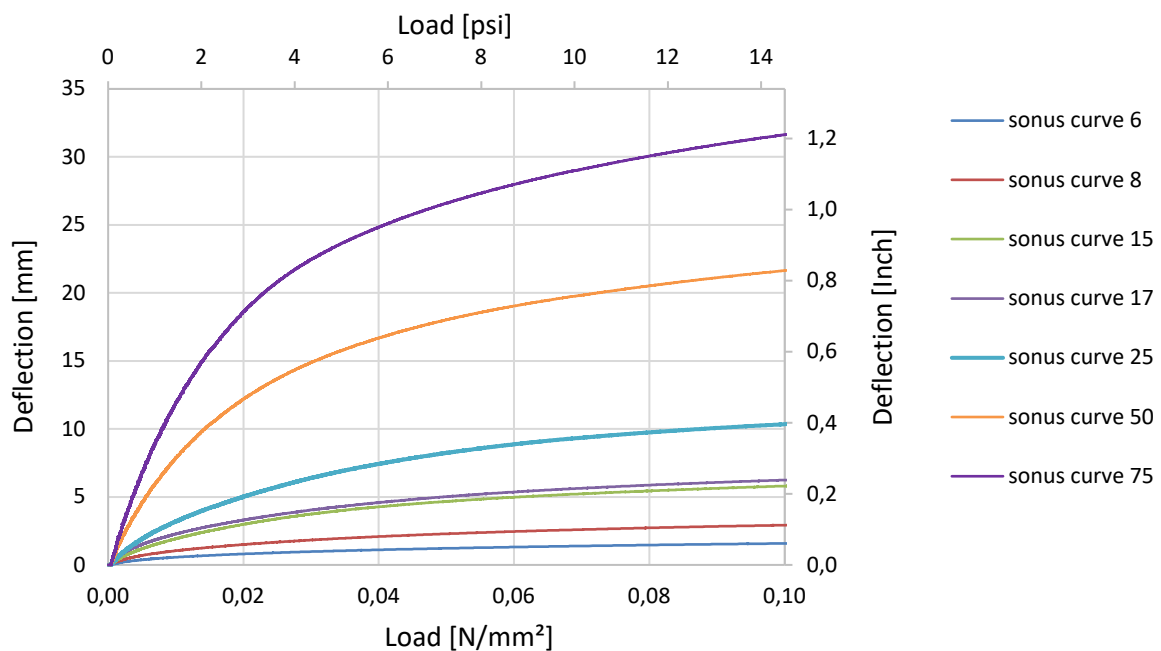
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Material properties	Standard	Result
Maximum surface load		50 kN/m ²
Mean dynamic stiffness value	DIN EN 29052-1	$s'_t \leq 45 \text{ MN/m}^3$
Compressibility	DIN EN 12431	$c \leq 1 \text{ mm}$
Thermal behaviour	Standard	Result
Thermal conductivity	DIN EN 12667	$\lambda = 0.075 \text{ W/(mK)}$
Thermal resistance	DIN EN 12667	$R = 0.06 \text{ (m}^2\text{K)/W}$
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
Nitrosamine	DIK Method	compliant with German Model Building Regulation
PAH	DIN EN 18287	compliant with German Model Building Regulation

Physical data - Deflection



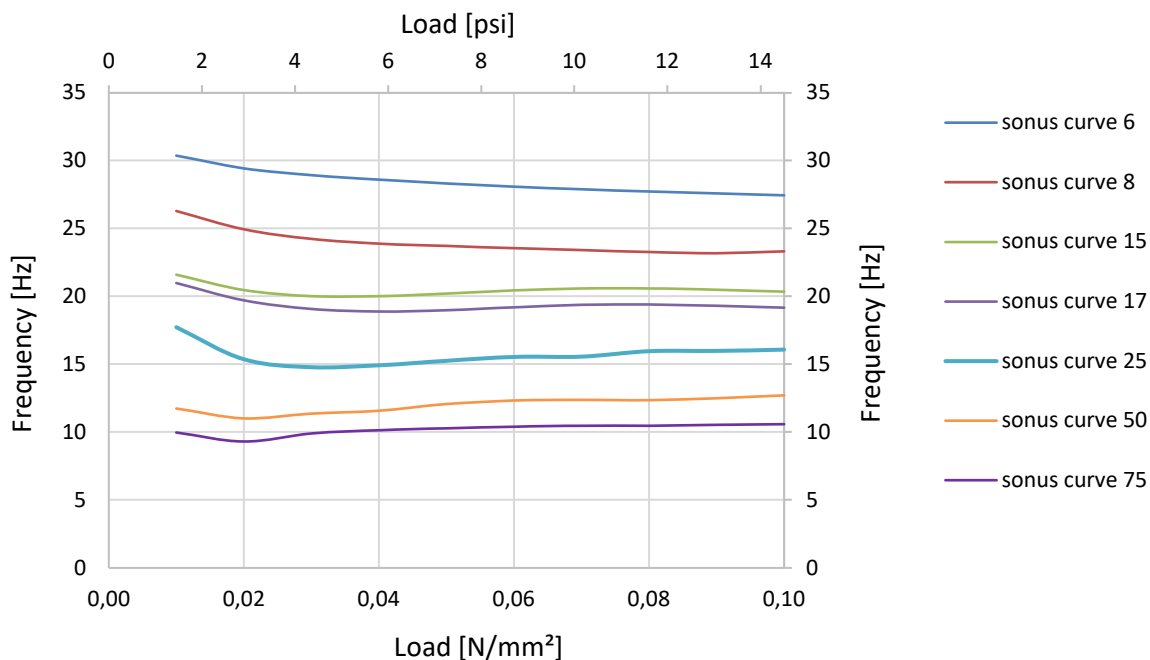
Test results as per test report 07-2019 conducted by Technical University of Dresden, Germany

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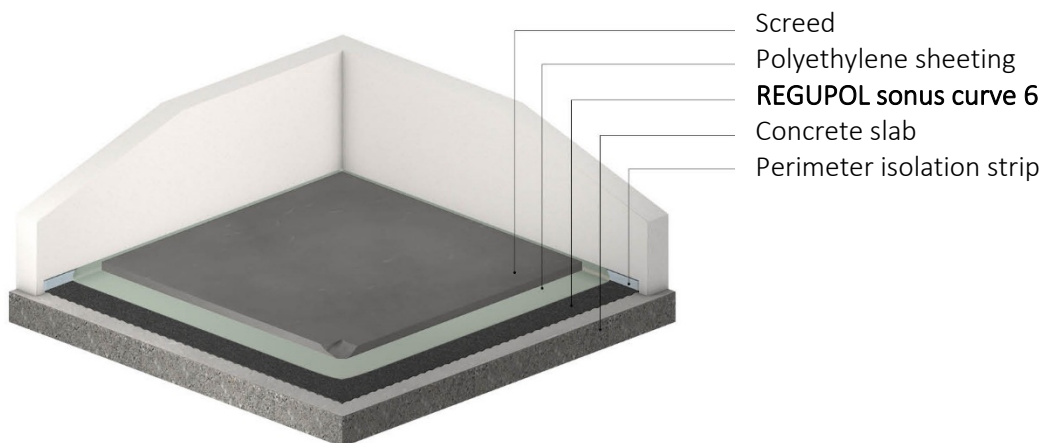


Physical data – Natural frequency



Test results as per test report 07-2019 conducted by Technical University of Dresden, Germany

Floor Assembly



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