

TECHNICAL DATA

REGUPOL SONUS ECO 5

formerly REGUPOL K225 5mm



Product

A high-performance acoustic underlay, designed to reduce the transmission of impact sound generated by footfall noise.

Material

A sustainable product made from post-consumer end-of-life tyre and post-consumer cork elastomers bound with polyurethane.



Weight

46 kg/roll (20 m²) 2.2 kg/m²

Dimensions

Roll Length: 20 lm / Width: 1.0 m (20 m²)

Tile Length: 1050 mm x 500 mm (.525 m²)

Thickness: 5 mm



Applications

Use under traditional block parquetry, laminate and engineered timber floors. **Note:** All applications should be checked for suitability with the selected floor finish, **REGUPOL** adhesives and accessories prior to use.

Certification

This environmentally preferable product has been independently certified as meeting the requirements of Good Environmental Choice Australia GECA 25-2011 v2.0i - Floor Coverings Standard. See www.geca.eco

Acoustical Performance*	Standards	Result	Comment
Under 19mm block parquetry timber:			
Layer of 19mm block parquetry, bonded to REGUPOL sonus eco 5 , bonded to 150 mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 1997 (E) ISO 140-6 ASTM E989-89	ΔL_w 20 dB $L_{n,w}$ 56 dB IIC 54	Test report RG019 - INR153 Test Floor (c)
Under 14mm engineered timber:			
14mm engineered timber, non-bonded to REGUPOL sonus eco 5 , non-bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	ΔL_w 17 dB $L_{n,w}$ 59 dB IIC 51	Test report RG110 – INR237-04-01
Under 14mm engineered timber:			
14mm engineered timber bonded to REGUPOL sonus eco 5 , bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	ΔL_w 16 dB $L_{n,w}$ 62 dB IIC 48	Test report RG114 – INR237-07-01
Under 8mm laminate:			
8mm laminate non-bonded, to REGUPOL sonus eco 5 , non-bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	ΔL_w 19 dB $L_{n,w}$ 60 dB IIC 50	Test report RG089 – INR216-10-01

*Assembly from top to bottom

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Material properties	Standard	Result
Specific weight		approx. 470 kg/m ³
Elongation at break	DIN EN ISO 1798	≥ 18 %
Tensile strength	DIN EN ISO 1798	≥ 0.6 N/mm ²

Thermal behaviour	Standard	Result
Thermal conductivity	DIN EN 12667	$\lambda = 0.12 \text{ W/(mK)}$
Thermal resistance	DIN EN 12667	$R = 0.041 \text{ (m}^2\text{K)/W}$
Temperature resistance		-40 to +110° C

Fire behavior	Standard	Result
Fire hazard properties Critical Radiant flux of a floor System	AS ISO 9239.1.	Contact REGUPOL to check your system assembly requirements.

Specify with NATSPEC	Standard	Result
Product Partner branded work	0473 REGUPOL in acoustic floor underlays	Go to www.natspec.com.au to download.