TECHNICAL DATA

REGUPOL SONUS CORE 5

formerly REGUPOL 5512 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 bound with polyurethane.

Weight
45 kg/roll - 12.5m² – 3.25 kg/m²
210 kg/roll - 62.5m² – 3.25 kg/m²

Dimensions
Roll Length: 10lm Width: 1.25m (12.5m²)
Roll Length: 50lm Width: 1.25m (62.5m²)
Thickness: 5 mm

Applications
Use under bonded and unbonded screed beds, laminate and engineered timber floors. **Note:** All applications should be checked for suitability with the selected floor finish, waterproof membranes, **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*	Standard	Result	Comment
Under 14mm engineered timber:			
14mm engineered timber non-bonded, to **REGUPOL sonus core 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 18 dB $L_{n,w}$ 58 dB IIC 52	Test report RG111 – INR237-01-01
Under bonded screed + ceramic tile:			
8mm ceramic tile, to 30mm screed bed, to **REGUPOL sonus core 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 21 dB $L_{n,w}$ 58 dB IIC 52	Test report RG092 – INR216-01-01
Under 8mm laminate:			
8mm laminate non-bonded, to **REGUPOL sonus core 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 $L_{n,w}$ 59 dB IIC 51	Test report RG090 – INR210-11-1

*Assembly from top to bottom

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Material properties	Standard	Result
Specific weight		approx. 700 kg/m³
Maximum traffic load		60 kN/m²
Mean dynamic stiffness value	DIN EN 29052-1	$s'_t \leq 85$ MN/m³
Compressibility	DIN EN 12431	c ≤ 0.5 mm
Compressive stress-strain characteristic at 25% compression (CC25)	DIN EN ISO 3386-2	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 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.

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