

## TECHNICAL DATA

# REGUPOL SONUS MULTI 4.5

formerly REGUPOL 4515 4.5mm



### Product

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

### Material

A sustainable product made from pre consumer polyurethane foam and cork elastomers bound with polyurethane.



### Weight

44 kg/roll – 20m<sup>2</sup> – 1.95kg/m<sup>2</sup>

### Dimensions

Roll Length: 20lm Width: 1.0m (20m<sup>2</sup>)

Tile Length: 1050 mm x 500mm (.525m<sup>2</sup>)

Thickness: 4.5 mm



### Applications

An acoustic underlay developed for its unique material composition which allows it to be a compatible surface to bond approved floor coverings such as carpet tiles, ceramic tiles, stone, marble, laminate, engineered timber and more. **Note:** All applications should be checked for suitability with the selected floor finish, waterproof membranes, **REGUPOL** adhesives, tile adhesives, grouts etc.

### 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](http://www.geca.eco)

Acoustical Performance*	Standard	Result	Comment
Under 10mm porcelain tiles:			
Layer of 10mm porcelain tiles bonded to <b>REGUPOL sonus multi 4</b> , bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8:1997 (E) ISO 140-6 ASTM E989-89	$\Delta L_w$ 17 dB $L_{n,w}$ 61 dB IIC 49	Test report RG019 – INR153 Test Floor (b)
Under bonded screed + ceramic tile:			
8mm ceramic tiles bonded to 30mm screed bed, to <b>REGUPOL sonus multi 4</b> , bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	$\Delta L_w$ 19 dB $L_{n,w}$ 60 dB IIC 50	Test report RG094 – INR216-03-01
Under engineered timber:			
14mm engineered timber non-bonded, to <b>REGUPOL sonus multi 4</b> , non-bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	$\Delta L_w$ 17 dB $L_{n,w}$ 60 dB IIC 50	Test report RG086 – INR210-06-01
Under 8mm laminate			
8mm laminate non-bonded, to <b>REGUPOL sonus multi 4</b> , non-bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	$\Delta L_w$ 19 dB $L_{n,w}$ 60 dB IIC 50	Test report RG088 – INR216-09-1

\*Assembly from top to bottom

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<b>Material properties</b>	<b>Standard</b>	<b>Result</b>
Specific weight		approx. 420 kg/m <sup>3</sup>
Elongation at break	DIN EN ISO 1798	≥ 25 %
Tensile strength	DIN EN ISO 1798	≥ 0.7 N/mm <sup>2</sup>

  

<b>Thermal behaviour</b>	<b>Standard</b>	<b>Result</b>
Thermal conductivity	DIN EN 12667	$\lambda = 0.012 \text{ W/(mK)}$
Thermal resistance	DIN EN 12667	$R = 0.025 \text{ (m}^2\text{K)/W}$
Temperature resistance		-40 to +110° C

  

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

  

<b>Specify with NATSPEC</b>	<b>Standard</b>	<b>Result</b>
Product Partner branded work	0473 REGUPOL in acoustic floor underlays	Go to <a href="http://www.natspec.com.au">www.natspec.com.au</a> to download.