

# TECHNICAL DATA

## REGUPOL SONUS MULTI 3

formerly REGUPOL 4515-S 3mm



### 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 elastomer bound with polyurethane.



### Weight

31 kg/roll – 20m<sup>2</sup> – 1.25 kg/m<sup>2</sup>

### Dimensions

Roll Length: 20lm Width: 1.0m (20m<sup>2</sup>)  
Thickness: 3 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 sheet vinyl, vinyl planks, carpet tiles, cork, and more. Note: Homogeneous vinyl and PVC backed heterogeneous sheet vinyl and vinyl plank should be checked for suitability and compatibility prior to use with **REGUPOL sonus multi 3** and the **REGUPOL** adhesive range.

### 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*	Standards	Result	Comment
Under 2mm vinyl planks:			
2mm vinyl planks, bonded to <b>REGUPOL sonus multi 3</b> bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 1997 (E) ISO 140-6 ASTM E989-89	$\Delta L_w$ 18 dB $L_{n,w}$ 58 dB IIC 52	Test report RG019 - INR153 Test Floor (a)
Under 4.5mm LLVT vinyl planks:			
4.5mm LLVT vinyl planks, bonded to <b>REGUPOL sonus multi 3</b> , bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	$\Delta L_w$ 18 dB $L_{n,w}$ 59 dB IIC 51	Test report RG084 - INR210-04-01
Under 2mm vinyl sheet:			
2mm vinyl Sheet, bonded to <b>REGUPOL sonus multi 3</b> , bonded to 150mm concrete slab	AS ISO 717.2-2004 ISO 140-8: 2006 (E) ISO 140-6-2006 ASTM E989-89	$\Delta L_w$ 17 dB $L_{n,w}$ 61 dB IIC 49	Test report RG082 – INR210-08-02
Under 4.5mm LLVT vinyl planks:			
4.5mm LLVT vinyl plank, non-bonded to <b>REGUPOL sonus multi 3</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 $L_{n,w}$ 58 dB IIC 52	Test report RG081 – INR210-01-01

\*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	$\lambda = 0.12 \text{ W}/(\text{mK})$
Thermal resistance	DIN EN 12667	$R = 0.025 \text{ (m}^2\text{K)}/\text{W}$
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>Download</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.