

## TECHNICAL DATA

# REGUPOL SONUS CORE 10-S

formerly REGUPOL 6010 10mm



### 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

75 kg/roll - 12.5m<sup>2</sup> – 5.5 kg/m<sup>2</sup>

145 kg/roll - 25m<sup>2</sup> – 5.5 kg/m<sup>2</sup>

### Dimensions

Roll Length: 10lm Width: 1.25m (12.5m<sup>2</sup>)

Roll Length: 20lm Width: 1.25m (25m<sup>2</sup>)

Thickness: 10 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](http://www.geca.eco)

| Acoustical Performance*  | Standard   | Result  | Comment                             |
|--|--|---|-------------------------------------|
| Under 14mm engineered timber:  |  |   |                                     |
| 14mm engineered timber non-bonded, to <b>REGUPOL sonus core 10</b> , non-bonded to 150mm concrete slab | AS ISO 717.2-2004<br>ISO 140-8: 2006 (E)<br>ISO 140-6-2006<br>ASTM E989-89 | $\Delta L_w$ 18 dB<br>$L_{n,w}$ 58 dB<br>IIC 50 | Test report<br>RG087 – INR216-06-01 |
| Under bonded screed + ceramic tile:  |  |   |                                     |
| 8mm ceramic tile, to 30mm screed bed, to <b>REGUPOL sonus core 10</b> , bonded to 150mm concrete slab  | AS ISO 717.2-2004<br>ISO 140-8: 2006 (E)<br>ISO 140-6-2006<br>ASTM E989-89 | $\Delta L_w$ 23 dB<br>$L_{n,w}$ 53 dB<br>IIC 57 | Test report<br>RG092 – INR216-06-01 |
| Under 8mm laminate:  |  |   |                                     |
| 8mm laminate non-bonded, to <b>REGUPOL sonus core 10</b> , non-bonded to 150mm concrete slab           | AS ISO 717.2-2004<br>ISO 140-8: 2006 (E)<br>ISO 140-6-2006<br>ASTM E989-89 | $\Delta L_w$ 20 dB<br>$L_{n,w}$ 58 dB<br>IIC 51 | Test report<br>RG090 – INR210-12-1  |

\*Assembly from top to bottom

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| <b>Material properties</b> | <b>Standard</b> | <b>Result</b>                 |
|----------------------------|-----------------|-------------------------------|
| Specific weight            |                 | approx. 575 kg/m <sup>3</sup> |
| Elongation at break        | DIN EN ISO 1798 | ≥ 50 %                        |
| Tensile strength           | DIN EN ISO 1798 | ≥ 0.5 N/mm <sup>2</sup>       |

  

| <b>Thermal behaviour</b> | <b>Standard</b> | <b>Result</b>                              |
|--------------------------|-----------------|--|
| Thermal conductivity     | DIN EN 12667    | $\lambda = 0.075 \text{ W}/(\text{mK})$    |
| Thermal resistance       | DIN EN 12667    | $R = 0.013 \text{ (m}^2\text{K)}/\text{W}$ |
| Temperature resistance   |                 | -20 to +60° C                              |

  

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

  

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