

# Boral Underlay

**TIMBER FLOORING**



AFS/01-31-38



PEFC™  
PEFC/21-31-38

Promoting sustainable forest management

# Boral RV-4 acoustic underlay

*To improve the long term performance and acoustic qualities of a solid or engineered timber floor, an acoustic underlay is a recommended addition to the installation procedure.*

## Product description

Boral RV-4 is a high quality acoustic underlay system exclusively designed for Boral Timber to reduce foot fall impact in a broad range of applications.

The Boral RV-4 underlay system allows Boral Timber floors to be installed using the floating or direct stick methods over a concrete or plywood subfloor.

Boral RV-4 is well suited to reducing the noise of foot traffic in multi-level apartments and exceeds the BCA requirement of L<sub>nw</sub>+C of 62 for acoustic underlays. The product system is deemed to comply in accordance with ISO 140.6 and 140.8 as defined in AS 717.2-2004.

This underlay provides excellent durability as it absorbs heavy loads over extended periods of time. Manufactured from recycled polyurethane foam granulates and cork, bound with polyurethane, it is light weight and easy to install.

## Applications

Boral RV-4 is designed as a system for use with the following hardwood timber flooring products from Boral Timber.

**Boral 19mm solid strip flooring** installed directly onto plywood using Boral RV-4.

**Boral overlay solid strip flooring** glued to a concrete slab or to plywood.

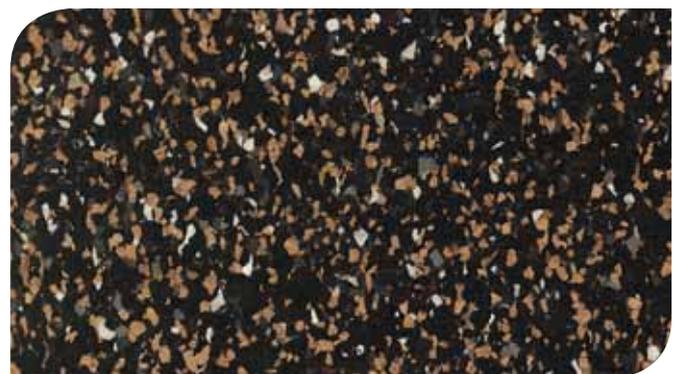
**Boral parquetry** glued directly to a level subfloor such as concrete, plywood, particleboard or old timber floors

**Boral Silkwood engineered hardwood flooring** can be floated over Boral RV4. Boral Silkwood can also be installed with Boral RV4 underlay using the direct stick method but will require onsite testing as per ISO 140.7.

## Technical specification

<b>Colour</b>	Black/brown
<b>Acoustic rating</b>	ISO 140.6, ISO 140.8, AS 717.2-2004
<b>Roll width and length</b>	1 metre wide, 20 metres in length
<b>Material thickness</b>	4mm
<b>Material weight</b>	1.72kg/m <sup>2</sup>
<b>Material density</b>	430kg/m <sup>3</sup>
<b>Tensile strength</b>	0.9N/mm <sup>2</sup> – DIN 53 571
<b>Elongation at break</b>	25% - DIN 53 571
<b>Tension under pressure</b>	0.9N/mm <sup>2</sup> – DIN 53 577
<b>Temperature resistance</b>	-40°C to 115°C
<b>Fire resistance</b>	Class B2 – DIN 4102
<b>Thermal conductivity</b>	0.12W/mK

Please call Boral Timber on 1800 818 317 for detailed Boral RV4 installation guidelines



# Boral Silkwood underlay

*Designed specifically for Boral Silkwood engineered hardwood flooring, Boral Silkwood underlay is a high quality closed cell cross-linked polyolefin plastic foam with water damping membrane.*

## Standard



### Standard technical specifications

- 2mm thick
- 115kpa resistance to water
- 0.0133 mg/N.s water vapour transmission
- Incorporates moisture barrier plastic film exceeding BCA benchmark vapour permeances
- 1m wide supplied in lengths of 20m and 50m
- Supplied with double-sided adhesive tape
- 100mm overlap plastic sheeting

## Ultra



### Ultra technical specifications

- 2mm thick
- 145kpa resistance to water
- 0.0129 mg/N.s water vapour transmission
- Incorporates moisture barrier plastic film exceeding BCA benchmark vapour permeances
- 1m wide supplied in lengths of 20m and 50m
- Supplied with double-sided adhesive tape
- Higher density than the Standard option for superior acoustic results
- Acoustic tested to ISO140.7 ( $L_n, w+C = 49$ ;  $FIC = 57$ )

## Features and benefits of Boral Silkwood underlay

- Excellent tensile and compression strength
- Absorbs subfloor unevenness
- Provides water vapour barrier
- Does not deteriorate or mildew
- Combines all-in-one plastic sheeting plus underlay
- Conforms to BCA requirements for underlays
- Included under Boral Silkwood warranty
- Light weight and easy to install
- Thermal insulator
- Suitable for heated floors
- When compared to packing foam and rubber underlay, Boral Silkwood underlay has superior water penetration resistance and acoustic results
- Excellent thickness tolerance
- Reliable supply
- Highly resistant to chemicals
- Australian made to AS/NZS 9002



Promoting sustainable forest management

Boral Timber products are AFS Chain of Custody certified. This provides peace of mind that Boral's timber flooring and decking are sourced from sustainably managed and legal forestry. The certification is linked to the largest forest management certification scheme in the world (PEFC) and is the only forest management certification scheme with an Australian Standard (4708-2007).

Disclaimer: Boral Timber retains the right to change specifications without notice in accordance with its policy of continued product development. Every care has been taken in preparing the information contained in this publication, however the company cannot accept responsibility for any inaccuracies that may have arisen and cannot accept liability for loss or damage either direct or consequential arising out of or in relation to use of application of the said information.

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