



# Koala Silent Underlay–Data Sheet

## KOALA ESTROBOND ADHESIVE

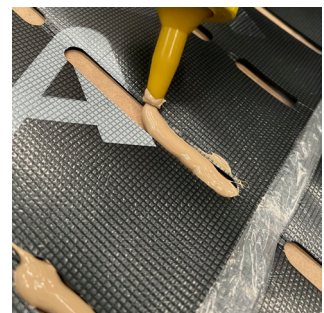
Koala Silent Underlay is a high-quality IXPE acoustic foam mat with symmetrical distributed cut outs. It is a premium acoustical underlayment made up of sound dampening high-performance cross-linked foam with an overlapping film for extra moisture protection at its joints.

### AREA OF APPLICATION

Koala Silent Underlay can be used to bond solid timber and floating floors in residential and commercial buildings.

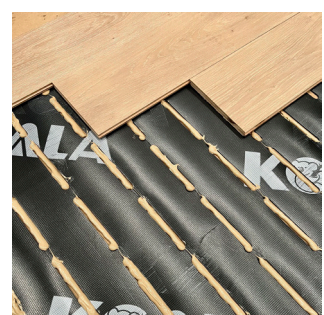
### ADVANTAGE/FEATURES

- The underlay is made of cutting edge IXPE (Irradiated Cross-Linked Polyethylene), the newest advance in foam technology.
- It is 100% waterproof and impervious to mildew, mold, rot and bacteria.
- Excellent sound dampening properties.
- Floors can be walked on 24 hours after the installation/ gluing without heavy or concentrated loads. The floors are fully serviceable after 48 hours.
- Easy to install using Koala EstroBond 75 high performance single component, moisture curing polyurethane adhesive in 600 ml sausage and application gun.



### TECHNICAL DATA

<b>Color</b>	Black
<b>Thickness</b>	3mm IXPE with 0.04mm PE Film
<b>Density</b>	33Kg/ m <sup>3</sup>
<b>Width of the roll</b>	1.0m
<b>Packaging</b>	Rolls in 20m <sup>2</sup> and 50m <sup>2</sup>



## SOUND REDUCTION PERFORMANCE

Koala Silent Underlay provides an excellent sound reduction barrier over the substrate that typically out performs with EstroBond 75.

Subfloor Type	Flooring Type	Ceiling Type	Result	Test	AAAC <sup>6</sup>
Concrete (200-220mm)	15mm Engineered timber flooring glued to koala Silent Underlay with Koala Adhesive	80-150mm suspended ceiling cavity 13mm thick plasterboard	45	L'nTw <sup>3</sup>	5
Concrete (200-220mm)	12mm Laminated timber flooring over the koala Silent Underlay with Koala Adhesive	80-150mm suspended ceiling cavity 13mm thick plasterboard	46	L'nTw3	4

## INSTRUCTIONS

### Substrate Preparation:

- All surfaces shall be dry, sound and smooth, free of wax, curing compounds, grease, paint, old adhesives, dust and dirt.
- New concrete surfaces must be completely cured. Ensure the moisture content of the concrete is below 5%. To assess sub-floor moisture level prior to adhesive application, use an appropriate moisture reading apparatus.
- No preparation is required on dry, dense and wearable substrates.

### Application:

- Position Koala Silent underlay mats close to each other without overlapping.
- Apply **EstroBond 75** sausage adhesive with the application gun into all cut outs in the mat. The gun nozzle must be held vertical to the substrate.

**Important note:** Adhesive must not be placed onto the mat between the cut outs.

- Position the floorboards and firmly press them into the adhesive until they lay tight on the underlay. The floorboards can then be joined together with a hammer and according to the manufacturer's instructions.

Remarks: The technical information on this data sheet provides only assistance for purchasers. It is of a general nature based on our product knowledge, experience and test we believe to be reliable. However, no guarantee of accuracy can be given due to the differences in materials, substrates, actual field conditions and methods at the working place.

We recommend that purchasers carry out their own tests in order to determine the suitability of the adhesive product for particular purposes.



**Koala Flooring Accessories**

[www.koalaflooringaccessories.com.au](http://www.koalaflooringaccessories.com.au)