

## Evalay High Performance Underlay

Evalay underlay for every floor. Every floating floor installation deserves an everlasting underlay. To maximise the performance of your floating floor installation, a high density, high durability underlay is essential. Underlay is essential to allow the floor to float and provides stability, noise reduction and helps support the locking system in between planks.

Attributes	Evalay	Evalay Plus
Acoustic rating	<b>6-Star Rating ★★★★★★</b>	<b>6-Star Rating ★★★★★★</b>
Thickness	2mm	3mm
Roll size	20m <sup>2</sup>	20m <sup>2</sup>
Roll weight	5.800kg	8.600kg
Roll width	1m	1m
Roll overlap	90mm	110mm
Water barrier film	80um	100um
Density	110kg/m <sup>3</sup>	110kg/m <sup>3</sup>
Water vapour transmission	0.8306	0.4435
Permeance	6.22423 x 10 <sup>-9</sup>	3.32362 x 10 <sup>-9</sup>

### Acoustic Performance

Impact noise insulation performance summary for ceiling/floor system

	L'nTw	Equivalent AAAC Star Rating	FIIC
<b>Engineered timber 14mm flooring</b> with <b>3mm</b> EVA Acoustic underlay	41	5	63
<b>Engineered timber 12mm flooring</b> with <b>3mm</b> EVA Acoustic underlay	42	5	63
<b>12mm Laminate flooring</b> with <b>3mm</b> EVA Acoustic underlay	38	6	72
<b>8mm Laminate flooring</b> with <b>3mm</b> EVA Acoustic underlay	42	5	67
<b>Engineered timber 14mm flooring</b> with <b>2mm</b> EVA Acoustic underlay	38	6	71
<b>Engineered timber 12mm flooring</b> with <b>2mm</b> EVA Acoustic underlay	40	6	70
<b>12mm Laminate flooring</b> with <b>2mm</b> EVA Acoustic underlay	38	6	72
<b>8mm Laminate flooring</b> with <b>2mm</b> EVA Acoustic underlay	40	6	70

All measurements were carried out following the guidelines and procedures outlined in AS/NZS ISO 140.7:2006 "Field measurements of impact sound insulation of floors" with the rating determined as per AS ISO 717.2-2004 "Rating of sound insulation in buildings and of building elements".

Terra Mater has been advised by Koikas Acoustics that the ceiling/floor system between the residential units is constructed with the following building materials:  
that the ceiling/floor system between the residential units is constructed with the following building materials:

- Approximately 200mm thick concrete slab;
- 50mm - 150mm suspended ceiling cavity, and
- 13mm thick plasterboard ceiling.

\*Please refer to [www.terramaterfloors.com.au](http://www.terramaterfloors.com.au) for results.



### Terra Mater Floors

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