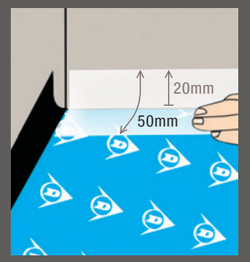
Installation Guidelines

The following instructions apply to products Timbermate, Timbercushion, Thermacoustic and Aquacoustic.

Roll out the selected Dunlop hard flooring underlay and trim any excess so that the ends and sides fit neatly against all walls.

It is important to ensure that all seams between the lengths of underlay butt together so that the overlap sits neatly under the adjoining edge.

All seams must be sealed with a waterproof tape* to ensure no moisture can pass through.



Ensure that the perimeter of the installation is sealed with waterproof tape, running the tape at least 20mm up the walls.

* Minimum 50mm width tape. Timbercushion and Aquacoustic rolls have an incorporated tape strip at the end of each roll. All other foam underlays will need to be sealed at the seams using appropriate waterproof tape.

Dunlop Hard Flooring Underlay Features and Benefits

	Dunlop Timbermate	Dunlop Thermacoustic	Dunlop Timbercushion	Dunlop Aquacoustic	Dunlop Advantage 3
Metallised laminate to assist in the reduction of heat transfer.		✓			
Manufactured from cross linked polyethylene foam for exceptional durability and resilience.			✓	✓	
Pre-applied moisture resistant barrier.	✓	✓	✓	✓	
Improves acoustics by reducing noise transfer.	✓	✓	✓	✓	✓
Guaranteed for the life of the flooring.	✓	✓	✓	✓	✓
Australian made.	✓	✓	✓	✓	

For more information contact a Dunlop Flooring expert today.

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Email: customerservice@dunlopflooring.com.au
Website: dunlopunderlay.com.au

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Hard Flooring Underlay

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Acoustic Performance

The National Construction Code (formerly known as BCA) publishes standards relating to sound insulation for multi-level dwellings to reflect community expectations around noise management.

The NCC standard requires that all flooring assemblies be tested to determine their acoustic performance. These standards reference both impact sound and airborne sound. The standard, as determined by the NCC, for impact sound requirement is $L_{n,w} \leq 62dB$. The airborne sound requirement is $Rw+Ctr \geq 50dB$.

All Dunlop hard flooring underlays have undergone extensive testing by the CSIRO to determine their impact sound performance and compliance with the impact standard set by the NCC. Dunlop's hard flooring underlays all exceed the standard and the results are listed in the below table.

DUNLOP HARD FLOORING UNDERLAY	$L_{n,w}$ *(dB)*	NCC Compliant
Timbermate	58	YES
Thermacoustic	55	YES
Timbercushion	48	YES
Aquacoustic	47	YES
Advantage 3	46	YES

Please Note: Bare Slab $L_{n,w}$ result was **79dB**.
Testing was conducted in accordance with standard **ISO 140-6**, over a 150mm reinforced concrete subfloor laid in combination with a timber floor. All the above flooring assemblies installed with the specified ceilings are predicted to achieve an airborne sound rating of Rw+Ctr = 61dB

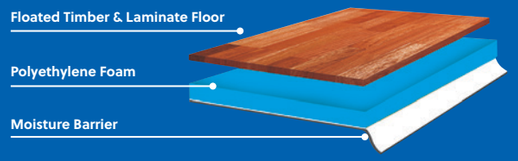
Ceiling: 13mm plasterboard on resiliently mounted furring channels with 75mm thick, 14kg/m3 fibrous insulation to cavity.

Timbermate

Dunlop Timbermate is a hard flooring underlay specially designed to reduce sound transfer whilst also providing added moisture protection.

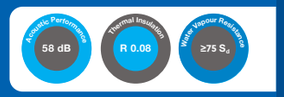
Application

Dunlop Timbermate is recommended for use with most common laminate and engineered timber floating floors.



Technical Specifications.

Thickness	2.0mm
Roll Length	50.0m
Roll Width	1200mm + 100mm overlap
Roll Size	60m²

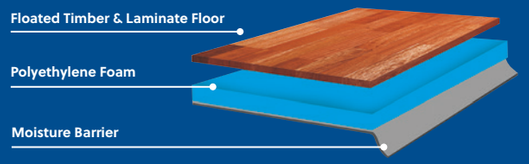


Thermacoustic

Dunlop Thermacoustic is a hard flooring underlay specially designed to offer an increased reduction in sound transfer whilst also providing added moisture and thermal protection.

Application

Dunlop Thermacoustic is recommended for use with most common laminate and engineered timber floating floors where superior acoustic, moisture and thermal protection is required.



Technical Specifications.

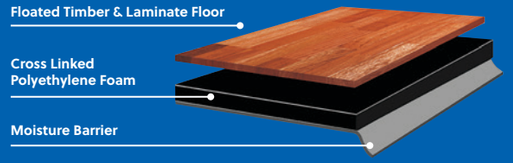
Thickness	3.0mm
Roll Length	50.0m
Roll Width	1200mm + 100mm overlap
Roll Size	60m²

Timbercushion

Dunlop Timbercushion is a specialist hard flooring underlay that provides superior acoustic performance. Incorporating a 200 micron moisture resistant barrier, Timbercushion offers effective moisture and thermal protection. This product includes an incorporated tape seal on the end of the rolls for increased water vapour resistance.

Application

Dunlop Timbercushion is recommended for use with most common laminate, engineered wood and solid timber floating floors where superior noise reduction, effective moisture protection and resilience is required.



Technical Specifications.

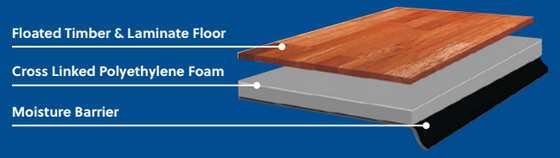
Thickness	2.0mm
Roll Length	20.0m
Roll Width	1600mm + 200mm overlap
Roll Size	32m²

Aquacoustic

Dunlop Aquacoustic is a specialist hard flooring underlay that provides unsurpassed acoustic performance. Incorporating a 200 micron moisture resistant barrier, Aquacoustic offers superior moisture protection. This product includes an incorporated tape seal on the end of the rolls for increased water vapour resistance.

Application

Dunlop Aquacoustic is recommended for use with most common laminate, engineered wood and solid timber floating floors where excellent noise reduction, unbeatable moisture protection and resilience is required.



Technical Specifications.

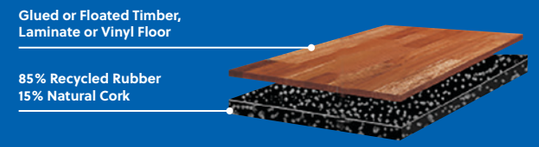
Thickness	3.0mm
Roll Length	20.0m
Roll Width	1600mm + 200mm overlap
Roll Size	32m²

Advantage 3

Dunlop Advantage 3 is a Rubber/Cork acoustic underlay suitable for conventional and double bond applications for wood, laminate and vinyl floors.

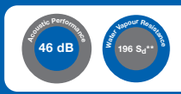
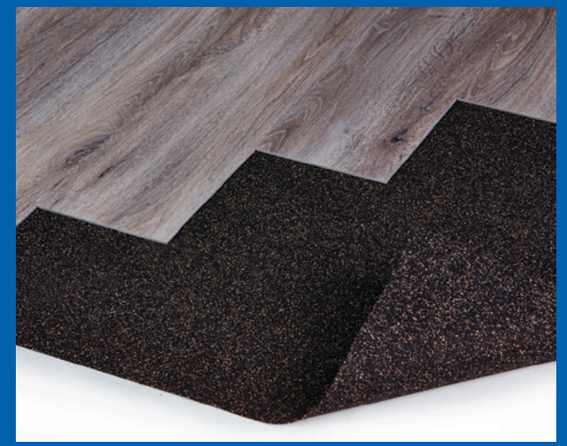
Application

Recommended for use with solid and engineered timber, laminate and luxury vinyl planks.



Technical Specifications.

Thickness	3.0mm
Roll Length	10.0m
Roll Width	1000mm
Roll Size	10m²



**To achieve the rating of 196Sd, for Dunlop Advantage 3, the product must be installed with a 200 micron plastic sheet.