









Softlon-Tuff®



Superior Floating Timber Flooring Underlay

1. Features and Benefits and Technical Information

<u>Pictogram</u>	<u>Property</u>	<u>Standard</u>	<u>Value</u>	<u>Unit</u>	<u>Softlon-Tuff Features</u>
	Thickness - Conformability	ISO 1923	2	mm	2mm Softlon-Tuff is very conformable and levels out moderately rough structural floors
	Drum Sound Performance	Internal	AA	-	Excellent in reducing the drum sound of floating timber floors.
	Impact Sound Transmission* $L'_{n,w}+C$	ISO 717/2 180mm slab 13mm ceiling	52*		Meets the BCA requirements for impact sound Isolation. Building Code of Australia (BCA) requires: $L'_{n,w}+C \leq 62$
	Impact Resistance, Large ball' **	EN 13329 / EN 438-2	1700	mm	Improves the timber floor performance in meeting the properties as defined by NALFA for residential, light commercial and commercial floors.
	Compressive Strength at 0.5 mm deflection	ISO 844/ EN 13163	60	kPa	Has 3 times the min. strength advisable to prevent potential damage of the T&G (click or non-click laminate) when punctual load is applied.
	Compressive Creep (10 years, max. 10 %) max. load	EN 1606/ EN 13163	15	kPa	Does not flatten out under long term static loads of up to 1.5 tonnes per sqm
	Thermal Resistance at 10°C	ISO 8301	0.054	m ² K/W	Excellent performance parameter in case of heated and non-heated floors.
	Water Vapour Transmission (Permeance)	ASTM E96 - 2000	0.015	ug/Ns	Provides a very effective barrier to water vapour transmission, (ref AS2870).
	Water Absorption	internal	<1	Vol.%	100% closed cell material does not absorb any significant amount of water

Note - All test data are average values and should be considered as guideline only.

* under 8 mm Laminate, The impact sound acoustic results are site specific. Refer to test results.

** under 8 mm HPL.

If you require further information on the subject of this data sheet, please contact your local agent or contact:



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2. Product Description

Softlon-Tuff Floating Timber Flooring Underlay is technically and visually a high quality closed cell physically cross linked polyolefin foam, with twin skin, supplied in roll form.

Softlon-Tuff Floating Timber Flooring Underlay has many key functions:

- Absorbs unevenness in the subfloor.
- Provides barrier to water vapour.
- Reduces floor drum (echo) sound.
- Provides impact sound insulation.
- Improves timber floor impact resistance.

3. Application

Technical and acoustic reasons dictate the use of an interlayer between the timber and the structural floor construction in order to achieve the necessary comfort levels.

Commonly used thick materials cannot be used due to limitations in room height. Humidity in the existing structural floor is sometimes another problem leading to unexpected long term damage of the wooden floor.

Softlon-Tuff Floating Timber Flooring Underlay is an ideal separation layer between the structural floor and new timber floor. It is thin, elastic, light in weight and acts as a water vapour barrier

4. Application Guide

Softlon-Tuff Floating Timber Flooring Underlay can be laid onto any firm surface, such as, a smooth concrete screed or an already existing wooden floor (renovation) without the use of adhesives.

The bare floor surface must be smooth, clean and dry. Sharp and pointed objects must be removed.

Unroll Softlon-Tuff and lay with sheet edges butting to each other. In the case of film backed, lay the film face down, and lap joints. Cover all joints with a suitable adhesive tape, such as Reinforced Aluminium Foil Tape.

Carefully fold Softlon-Tuff up wall surrounds and around pipes etc., to prevent sound bridging.

When laying the new floating timber floor, Softlon-Tuff can be walked on. Care should be taken so as not to damage the Softlon-Tuff sheet.

5. Storage and Handling

It is recommended that Softlon-Tuff is stored on a dry, flat and clean surface of a covered warehouse away from direct sunlight.

Softlon-Tuff is protected by a polyolefin film wrap. This packaging is not designed for outdoor storage. Where outdoor storage is the only facility possible additional protection is required.

Softlon-Tuff is an organic polyolefin material and will burn when exposed to sufficient heat, open flames or other sources of ignition.



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