

Acoustic Underlay



Softlon Tuff™

Silent Shield™

Maxlon™

Maxlon PSA™

Benefits:

- Excellent impact sound insulation at low thickness
- Lays flat with good thickness tolerance
- Excellent water barrier
- Enhances underfoot comfort

Enjoy the 'Quiet' difference when using Sekisui Pilon Acoustic Underlay, with four different types of underlay to choose from:

Softlon Tuff™

- Premium acoustic underlay for laminate floating floors.

Silent Shield™

- All in one, superior acoustic underlay with a water damping membrane for floating floors.

Maxlon™

- Acoustic underlay for fixing solid timber and tile floors.

Maxlon PSA™

- Acoustic underlay with a PSA adhesive layer to bond to concrete for solid timber and tile floors.
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Pilon's Acoustic Underlay for Timber and Tile Flooring

Installation Method	Acoustic Underlay	Thickness	Type of floor	Installation system	Acoustic results	
					$L_{n,w}+C$ <small>(lower is better)</small>	FIIC <small>(higher is better)</small>
Floating Floors (Timber)	Softlon Tuff	2mm- 6mm	8mm HP laminate flooring	Concrete/ underlay/ laminate Flooring	52	59
			14mm timber flooring	Concrete/ underlay/ Timber Flooring	54	58
	Silent Shield with PE film backing	2mm/ film backing with 100mm overlap	7mm HP laminate flooring	Concrete/ underlay/ laminate flooring	49	59
			8mm HP laminate flooring	Concrete/ underlay/ laminate flooring	46	59
			14mm timber flooring	Concrete/ underlay/ timber flooring	49	57
Fixed Floors (Timber & Tile)	Maxlon	1.8mm to 3mm	12mm timber flooring	Concrete/ adhesive/ Maxlon/adhesive timber	51	52
	Maxlon PSA (with adhesive backing)	1.8mm to 3mm	11mm timber flooring	Concrete/ Maxlon PSA/adhesive/timber flooring	49	62
			19mm timber flooring	Concrete/ 17mm play/Maxlon PSA/ adhesive/timber	47	61
			Tile flooring	Concrete/ Maxlon PSA/adhesive/10mm screed/Tile	46	53

* $L_{n,w}+C$ is the "Weighted Standardised Impact Sound Pressure Level" as defined in the International Standards 717-2 which rates a flooring system in terms of the resultant noise level produced in the room under the floor. A lower $L_{n,w}$ represents a greater acoustic separation. C is a spectrum adaptation term. It effectively adjusts $L_{n,w}$ to account for a typical footstep noise. $L_{n,w}+c$ has been tested according to ISO140-7, "Acoustic Measurement Of Sound Insulation In Buildings And Building Elements".

* FIIC is the Impact Isolation Class as defined in the American Standard Classification E989 which rates the impact sound transmission performance of flooring systems. The higher the IIC the better the impact isolation performance of the floor system. IIC has been field tested according to ISO140-7, "Acoustic Measurement Of Sound Insulation In Buildings And Building Elements".



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