

TECHNICAL DATA SHEET

Silent Shield™ 3mm Floating Timber Floor Underlay Range

Description:

Silent Shield™ is a high performance underlay using closed cell, physically crosslinked polyolefin foam specifically designed for noise isolation and moisture protection in flooring systems. Silent Shield™ is free of heavy metals, PVC, plasticisers and CFCs.

Property	Test Method	Units	Typical Value		
			Standard	Professional	Premium
Grade					
Size Availability			1000mm width x 20 m length rolls		
Thickness	Internal	mm	3	3	3
Impact Sound Transmission, L_{nT,w}*	ISO 717-2	dB	47	46	47
Impact Sound Reduction, ΔL_w*	ISO 717-2	dB	25	26	25
Impact Insulation Class (IIC)*	ASTM E989	dB	56	57	56
Compressive Strength @ 0.5mm deflection	EN 826	kPa	26	39	48
Thermal Resistance @ 23°C mean temperature	ASTM C518	m ² K/W	0.096	0.097	0.093
Conformability	EN 16354	mm	2.1	1.7	1.6
Compressive Creep @ 10 years, <10% deflection	EN 1606	kPa	5	10	15
Moisture Protection, SD-Value	ISO 1663/ EN 12086	m	58	>85	>85
Water Absorption	Internal	% v/v	<1		

*Measured under 8mm laminate flooring.

THAI SEKISUI FOAM

700/379 Moo 6, Amata Nakorn Industrial Estate
Tumbol Donhua-loh, Amphur Muang
Chonburi 20000 THAILAND

Tel: +66 3821 3219 ~ 26, Fax: +66 3821 3281

Email: info@thaisekisui.co.th, Web: www.thaisekisui.co.th



This information on Sekisui Foam International products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.

Recommendations as to methods of post fabrication, application and use of Sekisui Foam International products are based on our experience and knowledge of the characteristics of our products and are given in good faith. As producer of the material we have no control over the application of Sekisui Foam International products and no legal responsibility is accepted for such recommendations.

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