

TECHNICAL DATA SHEET

Silent Shield™ 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 | | | 1000mm width x 20 m length rolls | | | | | |
| Size Availability | | | 1000mm width x 20 m length rolls | | | | | |
| Thickness | Internal | mm | 2 | 3 | 2 | 3 | 2 | 3 |
| Compressive Strength @ 0.5mm deflection | ISO 844/ EN 13163 | kPa | 30 | 20 | 50 | 30 | 70 | 40 |
| Thermal Resistance @ 23°C mean temperature | ASTM C518 | m ² K/W | 0.063 | 0.094 | 0.059 | 0.089 | 0.056 | 0.084 |
| Drum Sound Reduction* | Internal | % | 15 | 7 | 24 | - | 28 | - |
| Conformability | CEN/TS 16354 | mm | 1.4 | 2.7 | 1.5 | - | 1.7 | - |
| Compressive Creep @ 10 years, <10% deflection | ISO 844/ EN 13163 | kPa | 5 | | 10 | | 15 | |
| Impact Sound Transmission, L _{nT,w} ** | ISO 717-2 | dB | 48 | | 49 | | 50 | |
| Moisture Protection, SD-Value | ISO 12572/ EN 12086 | m | >70 | | >85 | | >85 | |
| Water Absorption | Internal | % v/v | <1 | | | | | |

*Improvement of impact sound compared with reference underlay.

**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. In particular, no responsibility is accepted by us for any system in which Sekisui Foam International products are utilised or for any application.

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