

## TECHNICAL DATA SHEET

### Silent Shield™ Screed Floating Floor Underlay Range

Silent Shield™ Screed is a light-weight, flexible and moisture-resistant underlay designed for the floating screed system. It is designed to maximise noise impact reduction whilst providing high compression strength and maintaining long term compression resistance (compressive creep).

Property	Test Method	Typical Value	
Grade		HD	UHD
<b>Thickness (nominal)</b>	Internal	6 mm	8 mm
<b>Impact Sound Reduction <math>\Delta L_w</math></b> 50mm concrete screed 70mm concrete screed	ISO 10140	16 dB 17 dB	20 dB 25 dB
<b>Impact Insulation Class (IIC)</b> 50mm concrete screed 70mm concrete screed	ASTM E989 (calculation)	48 dB 49 dB	56 dB 57 dB
<b>Compressive Strength</b> 25% deflection	ISO 844 / EN 13163	60 kPa	90 kPa
<b>Compressive Creep</b> 3 years, <10% deflection	EN 1606 / EN 13163	10 kPa	15 kPa
<b>Thermal Resistance</b> 23°C mean temperature	ASTM C518	0.17 m <sup>2</sup> .°K/W	0.21 m <sup>2</sup> .°K/W
<b>Permeance Resistance Factor (<math>\mu</math>)</b>	ISO 1663	>7000	>7000
<b>Water Absorption</b>	ISO 2896	<1% v/v	<1% v/v

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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.

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