

SILENT SHIELD™

FLOORING UNDERLAY

S C R E E D



Underlays designed for acoustic and thermal insulation in screed floor systems

SEKISUI

FOAM
INTERNATIONAL
Global Foam Solutions

PHYSICALLY
CROSSLINKED
SEKISUI TECHNOLOGY

The Silent Shield Screed Solution

Silent Shield Screed is a high performance underlay made using closed cell, physically cross linked, polyolefin foam specifically designed for noise isolation in fixed floor covering systems. Installed between the sub-floor and screed, Silent Shield underlay provides outstanding acoustic and thermal insulation, moisture protection and resistance to creep.



Silent Shield Screed underlay provides excellent impact sound reduction meaning that it is the ideal choice for multi-storey buildings.



With almost zero water absorption Silent Shield Screed protects your flooring against moisture and rising vapour which is particularly important in screed insulation applications.



Manufactured using Sekisui's unique physically crosslinked, closed cell polyolefin foam, Silent Shield Screed maintains superior compressive strength to resist creep.



Silent Shield Screed is easy to unroll and install between the subfloor and screed and is the perfect solution for fixed floor coverings that restrict the use of underlays such as tiles, solid wood and parquet flooring.



Silent Shield screed is lighter than rubber meaning that it is easier to transport, handle and install.

Health, Safety & Environmental Benefits

Silent Shield underlays provide many health, safety and environmental benefits that other materials may not be able to achieve.

- Low VOC Emissions
- Low GWP
- Compliance to RoHS Directive
- No CFCs or HCFCs
- Zero PVC, Zero Formaldehyde
- Compliance to REACH Directive
- Zero Ozone Depletion Potential



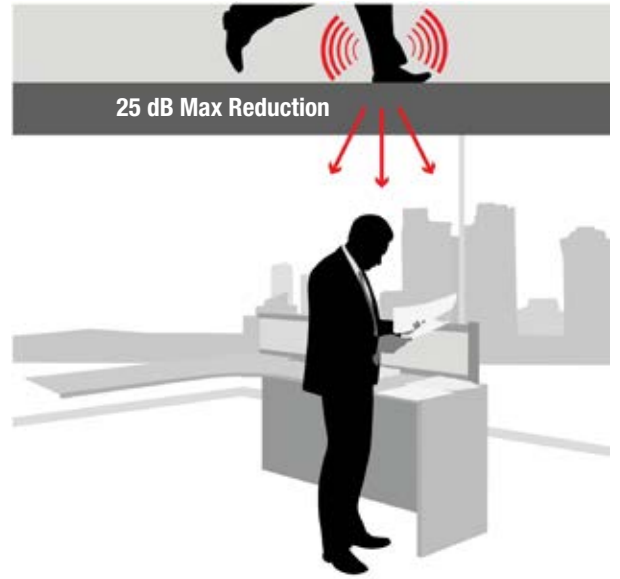
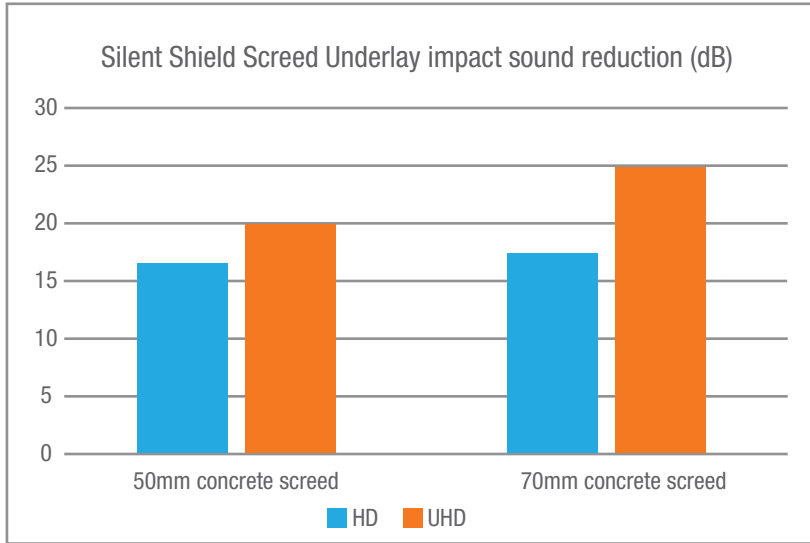
Silent Shield Screed HD



Silent Shield Screed UHD

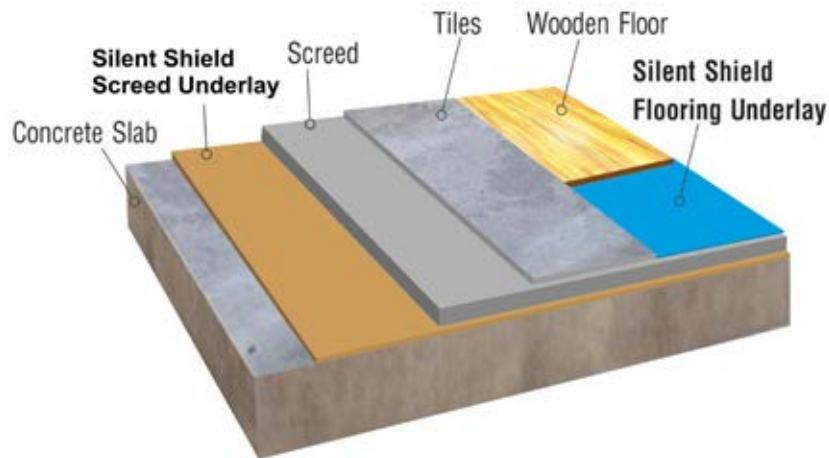
Outstanding Sound Reduction

Silent Shield Screed insulation provides up to a 25 dB reduction in impact sound making it ideal for multi-storey buildings such as hotels, residential apartments, libraries and shopping centres.



Engineered to Last

High compressive strength to resist creep, low water absorption and chemical resistance mean that Silent Shield Screed will provide outstanding performance and protection over the life of the installation.



JW Marriott Hotel, Hanoi, Vietnam

Skylake, Hanoi, Vietnam



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Technical Specifications

Silent Shield Screed is a high performance underlay made using closed cell, physically cross linked, polyolefin foam specifically designed for noise isolation in fixed floor covering systems.

Property	Method	HD	UHD
Size Availability	Internal	1.2m X 50m Rolls	1.2m X 2m Sheets (Available in rolls on request)
Thickness	Internal	6mm	8mm
Impact Sound Reduction	ISO 101 40	16 dB (50mm concrete screed)	20 dB (50mm concrete screed)
		17 dB (70mm concrete screed)	25 dB (70mm concrete screed)
Compressive Creep	EN1606 / EN13163	10kPa @ 3 years, 10%	15kPa @ 3 years, 10%
Water Absorption	ISO 2896	<1% v/v	<1% v/v
Compression Strength	ISO 844 / EN13163	60kPa @ 25% defection	90kPa @ 25% defection
Permeability Resistance Factor (μ)	ISO 1663	>7000	>7000
Thermal Resistance	ASTM C518	0.17m ² .°K/W @ 23°C	0.21m ² .°K/W @ 23°C



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