



{ Under Screed Acoustic Resilient Layer

A SOUND REDUCTION SYSTEMS PRODUCT

Benefits:

- Suitable for under screed applications in residential, office and commercial buildings
- High compression strength with long-term stability. The product retains its characteristics under high load
- Excellent impact and airborne noise reduction
- Easy and cost-effective installation
- High elasticity and protects expansion joints
- Mildew and Moisture resistant
- Zero Ozone Depletion Potential (ODP) and zero global warming potential (GWP)
- Suitable for underfloor heating
- Constant material thickness and minimal creep even under heavy load



Description:

Isolayte US is a black, soft resilient layer of rubber fibres bound using polyurethane. It retains a high resistance to compressive loads despite a high degree of elasticity.

Applications:

Isolayte US is designed to isolate cementitious screeds to reduce the transfer of impact noise.

Technical Data:

Isolayte US	
Application	Rubber underlay for under screed applications in the building construction industry
Material	ELT rubber granulate bonded with a cold-cure PUR
Mass Density DIN EN ISO 845	700 kg/m ³ ±5%
Standard Dimensions	Width: Rolls/sheets: 1050 / 1250mm Length: 5/6mm = 10m; 8mm = 8m; 10 mm = 6m
Thickness	5-10 mm ± 0.3 mm
Dimensional Tolerance DIN 7715-2 M	±1.5%
Testing Thickness DIN 53534	10mm
Compression Test DIN EN ISO 3386-2	CC25=539 kPa; CC40 = 1803 kPa; CC50 = 4660 kPa
Compression at 10% pressure EN826	360 kPa
Tensile Strength / Elongation at Break – DIN EN ISO 1798	0,42 MPA (average) / 46 % (average)
Airborne sound insulation (DnT,w + Ctr)	49 dB
Impact sound insulation (L'nT,w)	46 dB
ΔLw (Impact improvement) BS EN ISO 140-8:1998	18 dB
Temperature tolerance	-30°C to +80°C (internal testing)
Thermal Conductivity	Approx. 0.14 W/m K
Fire Classification EN 13051-1	Class E fl

Packing and storing:

Each pallet is wrapped and protected with polythene film. Inside storage is recommended to avoid possible wet storing.

Installation:

Prepare the structural substrate. The substrate should be cleaned of all loose dirt and debris and dry to a relative humidity of under 70%. The floor should be level to current flooring standards to a tolerance of 3mm over a 3m straight edge.



HIGH PERFORMANCE ACOUSTIC
FLOORING SOLUTION

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The Isolayte US rolls should be unwound where it is to be installed and left to relax for a few hours before cutting to size.

Pre-measure and cut the Isolayte US to the room size. Allow for lapping each joint by a minimum of 50mm and also lapping up at the perimeter of the room by a minimum of 50mm above the height of the finished screed. All joints must be taped.

Lay a visqueen membrane over the top of the rubber to prevent ingress of moisture to the resilient layer.

It is essential that no penetrations occur in the visqueen or Isolayte US materials prior to pouring the screed. Any damaged material should be replaced. Great care should also be taken at the perimeter to see that no screed breaches the lapped Isolayte US material. Any breach of the Isolayte US by the screed could result in the acoustic performance of the material being compromised.



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Site conditions and installation standards vary. SRS cannot take responsibility for the performance of any installed system of which SRS products are only a part, or that have been installed incorrectly. Prior to installation, it is necessary to identify and eliminate possible flanking paths that may compromise the acoustic performance of any SRS product.

