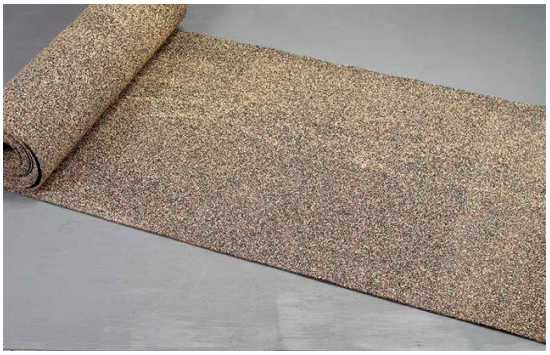
ISOLAYTE OS

{ Acoustic Resilient Layer

A SOUND REDUCTION SYSTEMS PRODUCT

Benefits:

- Easy to Install
- Remains continually elastic
- Fully Recycled
- Minimum Construction Height
- Suitable to be laid over both Concrete and screed floors
- Suitable for Refurbishment / New Build
- Can be used with Under Floor Heating
- Excellent Thermal Properties
- Excellent Footfall Noise Reduction



Suitable for installation with:

Ceramic tiles, sheet vinyl, stone floors, laminate flooring, wood floors, parquet flooring, carpet, Flotex, marble tiles, porcelain tiles

Description:

Fine granulate of recycled rubber with cork and PU elastomer bonding agent.

Applications:

Isolayte OS acoustic matting is a resilient layer suitable for use under most floor finishes. It has been developed for use in both commercial and residential buildings, such as apartments, hotels, hospitals, schools and universities. It combines minimum build height with permanent resilience. Isolayte OS is manufactured from rubber and cork which is mixed with polymer binder to form a purpose made resilient matting. Isolayte OS has exceptionally good insulating qualities.

Technical Data:

Isolayte OS		
Application	Impact Sound Insulation	
Material	Recycled Rubber and Cork granulate bonded with a cold-cure PUR bonding agent	
Thickness	3mm and 5mm, ±0.3mm	
Mass Density DIN EN ISO 845	700 kg/m3 ±5%	
Standard Dimensions	Roll width: 1.0m, length 20m	
Dimensional Tolerance DIN 7715-2 M	±1.5%	
Compression Test DIN EN ISO 3386-2	At 5mm CC_{25} = 972 kPa CC_{40} = 4891 kPa CC_{50} = 10613 kPa	At 3mm CC_{25} = 1057 kPa CC_{40} = 5152 kPa CC_{50} = 12500 kPa
Compression at 10% pressure DIN 53421 Modulus of Elasticity	5mm – 0.48 Mpa 5mm (E-Modulus) – 12.2MPa	3mm - 0.69MPa 3mm (E-Modulus) – 30.6 MPa
Impact Sound Insulation DIN ISO 140-8	21dB at 5mm under standard laminate flooring	18dB at 3mm under standard laminate flooring
Tensile Strength – DIN EN ISO 1798	5mm - 0.85 MPa (average)	3mm - 0.80 MPa (average)
Elongation at break – DIN EN ISO 1798	5mm – 41% (average)	3mm – 34% (average)
Thermal Conductivity	0.12 W/m K	
Temperature Stability	-40C to +100C	
Fire Classification	Class E	

Packing and storing:

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

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Installation:

1. **Concrete Floor** - Any levelling of the floor should be carried out on the concrete prior to fixing Isolayte OS
2. Acclimatize material to the room by placing material in the room at least 24 hours prior to fixing. Rolls should be un-tensioned and allowed to relax.
3. Cut matting to room dimensions ensuring that the matting joints run horizontally to any floor joint runs.
4. Ensure the surfaces are clean, dry, levelled, and smooth before applying approved flooring adhesive for the installation of the Isolayte OS Matting.
5. Allow the adhesive to fully cure at least 24 hours prior to fixing of ceramic or stone flooring.
6. **Ceramic/Stone Flooring** – Lay ceramic or stone flooring on Acoustic Matting using an Approved full bed adhesive with flexible additive.
7. Grout tiles using a cementitious grout with flexible additive.
8. Avoid point loading and impact loading of the floor for at least 3 days.
9. Ensure that a 5mm isolation joint is achieved to all perimeters. A 5mm isolation foam is available from Sound Reduction Systems (Impactafoam 50mm x 5mm strips) and should be used to ensure no bridging from the tiles to the perimeter wall.
10. **Carpet/Vinyl/Wood Flooring** – Fit carpet, vinyl or wood flooring over underlay, however gripper rods etc. should be bonded down not nailed.

There are a vast number of floor finishes available, and as such the installation guidance in this datasheet is given in good faith and to the best of our knowledge. The final decision regarding the compatibility of any floor finish installed onto Isolayte OS must remain the responsibility of the flooring contractor/installer. If in any doubt, please seek advice from the floor finish manufacturer.