



SilentMat18 Product Datasheet

Description: SilentMat18 provides a high level of acoustic performance in a lightweight acoustic underlay. Ideal for use under click type Luxury Vinyl Tiles (LVT) the product provides a great improvement of up to 20dB under a 5mm thick LVT tile.

Dimensions: 15m x 1m x 1.8mm

Mass: 0.49kg/m²

Features and Benefits:

- Complies with UK Building Regulations – 20dB ΔL_w when used with a 5mm click LVT
- Exceeds all MMFA Requirements - The product exceeds all requirements for Group 1 and Group 2 underlays.
- Ideal for Under Floor Heating - Low Tog rating of 0.15
- Balanced Density - Consistent product density for long lasting and uniform performance.
- Can be Loose Laid - The product can be loose laid
- Ultra Thin Gauge - The minimal thickness of the product reduced floor build up height and aids in indentation recovery for floor layers.
- Environmentally Friendly - 100% Recycled cork, PU and EVA.
- Cost Effective - Low m² prices ensure the product keeps project costs low while ensuring great impact performance

Specification

Roll Dimensions BS 5808:1991 - 15m x 1m (15m²)

Thickness BS 4051:1987 - 1.8mm

Weight / Density ISO 7322:2014 – 0.49kg/m² - 270kg/m³

Tensile Strength ISO 7322:2014 - >250kPa

Elongation at Break - >15%

Shore Hardness - 34 Shore A

Compression ASTM F36 – 15-40%%

Recovery from Compression ASTM F36 - >60%

Thermal Conductivity ISO 8301:1991 - 0.0637 W/mK

Thermal Resistance - 0.314 m²K/W

Tog Rating - 0.30

Operating Temperature Range - -30°C to 90°C

Acoustic Performance

2.5mm LVT ISO 10140-3:2010 - ΔL_w 20 dB

Dynamic Stiffness ISO 9052-1:1989 - 204MN/m³