



SilentMat16 Product Datasheet

Description: SilentMat16 is an acoustic underlay for use with luxury vinyl tile flooring (LVT) and provides an excellent reduction in impact sound transmission. Perfect for use directly underneath stick down LVT floor coverings. The product's low gauge maximises LVT and underlay recovery after subjection to point loading. This also helps to keep the floor build up to a minimum while still providing excellent performance.

Dimensions: 15m x 1m x 1.6mm

Mass: 1.04kg/m²

Features and Benefits:

- Complies with UK Building Regulations – 18dB ΔL_w when used with a 2.5mm stick down LVT
- Ideal for Under Floor Heating - Low Tog rating of 0.15
- Balanced Density - Consistent product density for long lasting and uniform performance.
- Ultra Thin Gauge - The minimal thickness of the product reduced floor build up height and aids in indentation recovery for floor layers.
- Permanent Solution - Forms part of the building structure.
- Environmentally Friendly - Made from cork and sports shoe waste and recycled materials.
- 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 - 1.6mm

Weight / Density ISO 7322:2014 - 1.04kg/m² - 650kg/m³

Tensile Strength ISO 7322:2014 - >500kPa

Elongation at Break - >15%

Shore Hardness - 40-60 Shore A

Compression ASTM F36 - 15%

Recovery from Compression ASTM F36 - >65%

Thermal Conductivity ISO 8301:1991 - 0.1036 W/mK

Thermal Resistance - 0.015 m²K/W

Tog Rating - 0.15

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

Acoustic Performance

2.5mm LVT ISO 10140-3:2010 - ΔL_w 18 dB

Dynamic Stiffness ISO 9052-1:1989 - 134MN/m³