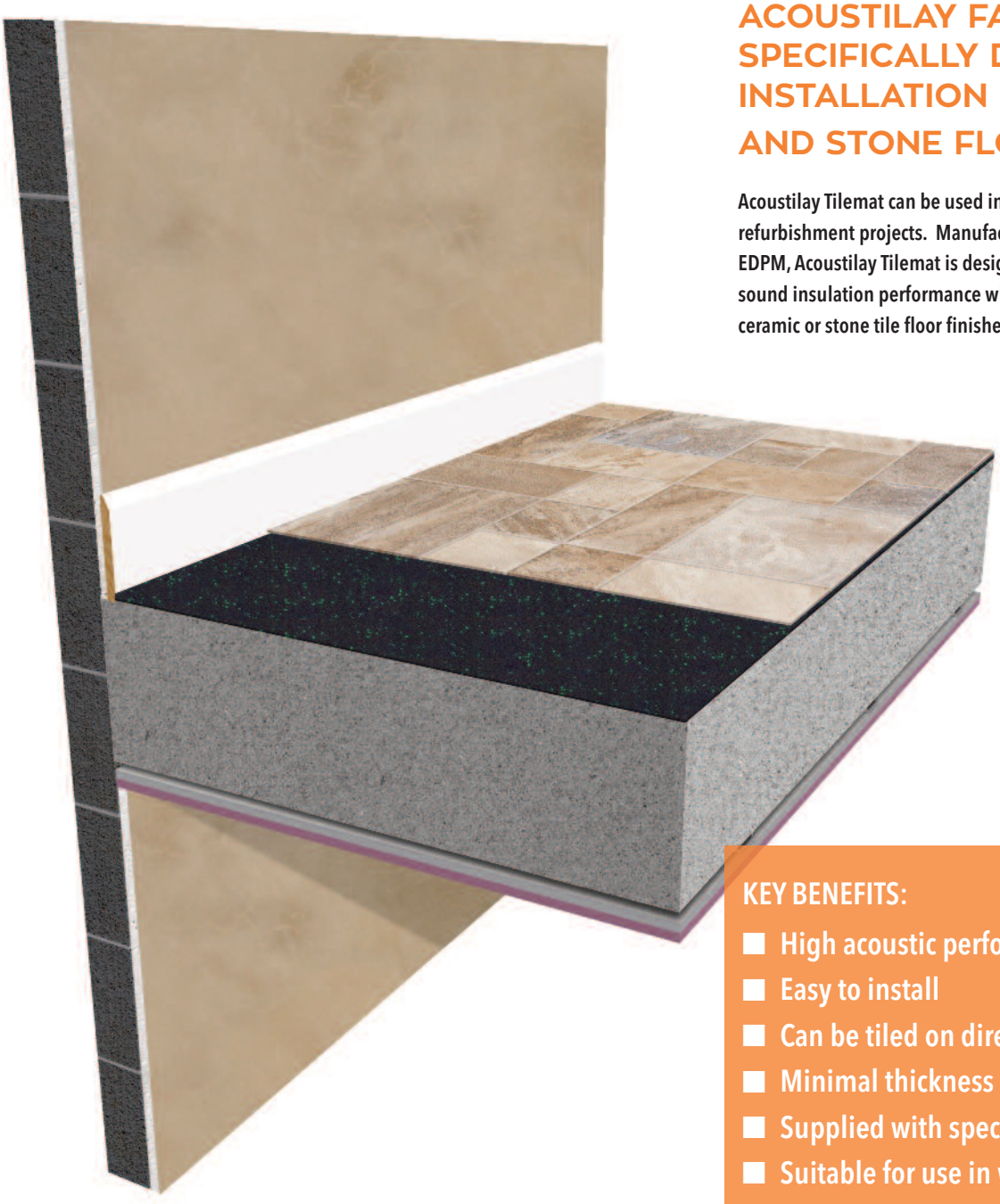
| Uniclass | EPIC |
|---|---|
| L586+L542:N372 | E42+E512:Y45 |
| CI/SfB (43)+(45) | R+T (P2) |

# ACOUSTILAY TILEMAT

Acoustic insulation for tiled floors

A SOUND REDUCTION SYSTEMS PRODUCT



## ACOUSTILAY TILEMAT: THE LATEST MEMBER OF THE ACOUSTILAY FAMILY – SPECIFICALLY DESIGNED FOR INSTALLATION UNDER CERAMIC AND STONE FLOOR TILES.

Acoustilay Tilemat can be used in new build, conversion, and refurbishment projects. Manufactured from recycled rubber and EDPM, Acoustilay Tilemat is designed to give long lasting impact sound insulation performance whilst giving sufficient stability for ceramic or stone tile floor finishes.

### KEY BENEFITS:

- High acoustic performance
- Easy to install
- Can be tiled on directly
- Minimal thickness - 10mm
- Supplied with specialist, flexible adhesive
- Suitable for use in wet areas



**T: +44 (0)1204 380074**
**E: info@soundreduction.co.uk**
F: +44 (0)1204 380957
www.soundreduction.co.uk

## INSTALLATION GUIDANCE

## INTRODUCTION:

Acoustilay Tilemat is a unique acoustic flooring system allowing for the installation of ceramic and stone floors directly onto its surface.

## PREPARATION:

Prior to the installation of Acoustilay Tilemat, ensure that the substrate is clean, dry and level. The Acoustilay Tilemat rolls should be unwound and left in the room to acclimatise for at least 24 hours prior to installation.

## INSTALLATION:

The Acoustilay Tilemat should be pre-cut to the length of the room. When installing Acoustilay Tilemat on timber substrates you should ensure that the long edge runs at 90° to any floor joints.

Once the material has been cut to size, the Acoustilay Tilemat should be bonded to the substrate using the approved Tilemat Adhesive (15L tub). It is very important that no gaps occur between the sheets and that they are butted tight together. The Acoustilay Tilemat should run to the extremities of the room and bed into a bead of SRS Acoustic sealant where it meets the walls.

Once the Acoustilay Tilemat Adhesive has fully cured (at least 24 hours), the tiles may be installed using Acoustilay Tilemat Tile Adhesive. It is essential that the cementitious grout used to finish the floor contains a flexible additive and that a 5mm isolation joint is left between the tiles and the wall – this should be filled with SRS Acoustic sealant. Please follow the instructions on the adhesive / grout packaging at all times.

Avoid point and impact loading of the floor for at least 3 days following the installation. At no point should any mechanical fixings penetrate the Acoustilay Tilemat material.

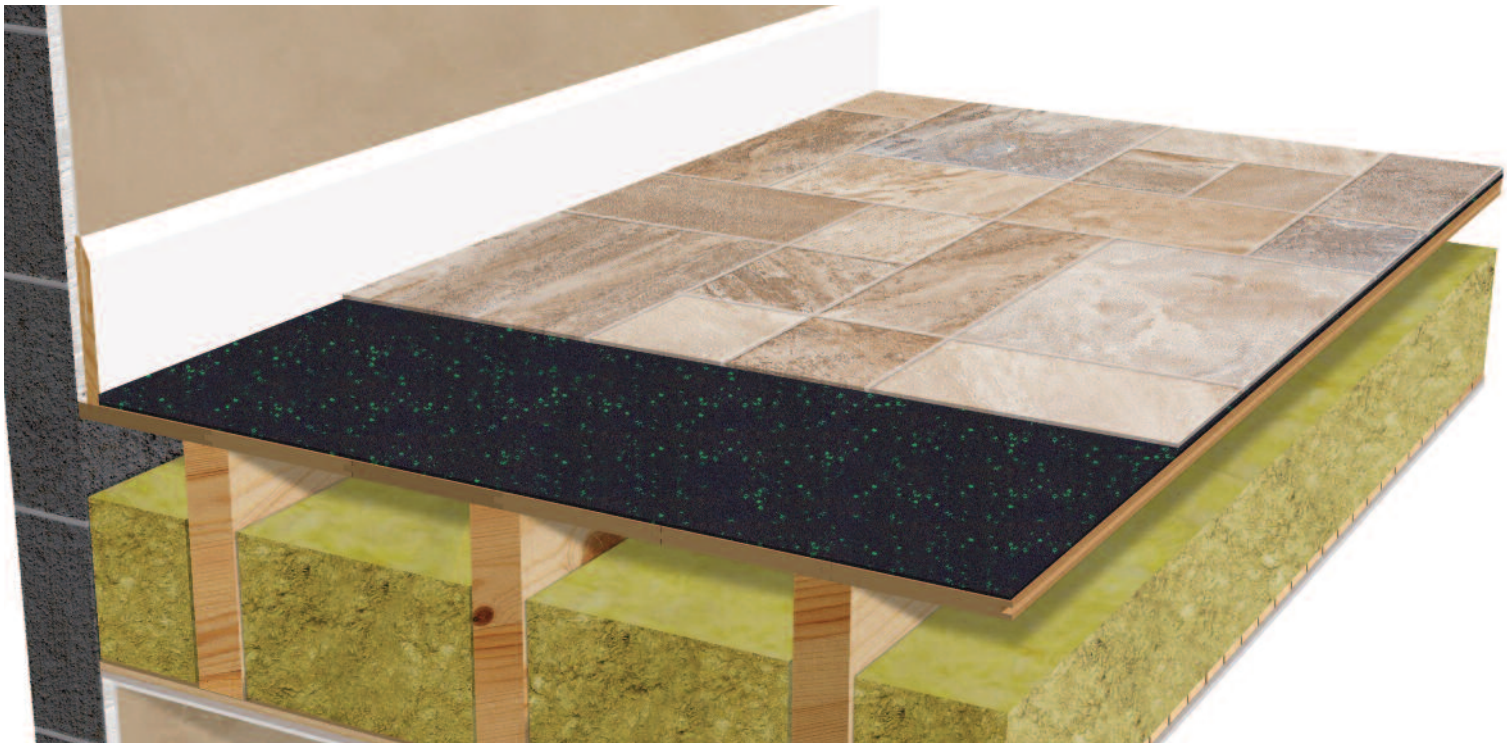
| ACOUSTILAY TILEMAT ON A CONCRETE FLOOR | | |
|---|---|---|
| | Impact $\Delta L_w$ (dB) | Test Reference |
| Acoustilay Tilemat | 19dB | Test report 3404-2935<br>19th October 2017<br>University of Salford, Acoustic Test Lab |
| Acoustilay Tilemat with ceramic tiles | 17dB | Test report 3404-2936<br>19th October 2017<br>University of Salford, Acoustic Test Lab |

## ACOUSTIC DATA

**Building Regulations Part E - Resistance to the Passage of Sound**

| Dwelling-houses and flats - performance standards for separating floors and stairs that have a separating function. | | |
|---|---|---|
| | **Airborne Sound Insulation** $D_{nT,w} + C_{tr}$ dB (minimum values) | **Impact Sound Insulation** $L'_{nT,w}$ dB (maximum values) |
| Purpose built dwelling-houses or flats<br>Floors + Stairs | 45 | 62 |
| Dwelling-houses or flats formed by material change of use<br>Floors + Stairs | 43 | 64 |

| Rooms for residential purposes - performance standards for separating floors, and stairs that have a separating function. | | |
|---|---|---|
| | **Airborne Sound Insulation** $D_{nT,w} + C_{tr}$ dB (minimum values) | **Impact Sound Insulation** $L'_{nT,w}$ dB (maximum values) |
| Purpose built rooms for residential purposes<br>Floors + Stairs | 45 | 62 |
| Rooms for residential purposes formed by material change of use<br>Floors + Stairs | 43 | 64 |





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## PHYSICAL PROPERTIES AND ACCESSORIES

**TileMat Adhesive 15L tub** - to bond the TileMat to the subfloor. (approx. 40sqm coverage)

**Acoustilay TileMat Tile Adhesive** - to bond the tiles to the Tilemat. (approx. 5-8sqm coverage) 2 Part System comprising: 20kg Powder + 5kg Liquid.

| ACOUSTILAY TILEMAT | LENGTH/WIDTH | THICKNESS | WEIGHT |
|---|---|---|---|
| | 5m x 1.25m ($6.25m^2$) | 10mm | $8.2Kg/m^2$ (51.25kg per roll) |

| ACOUSTILAY TILEMAT | TECHNICAL DATA |
|---|---|
| Colour | Black/green granulate structure |
| Tensile Strength | 0.56 MPa (DIN 53571) |
| Elongation at Break | approx. 57% (DIN 53571) |
| Density | $820kg/m^3$ |
| Service Temp | -40°C to +110°C |
| Flammability Rating | B2 |

## HANDLING

Each Acoustilay Tilemat roll weighs 51.25kg – Please exercise caution and follow the Health and Safety Executive's guidance when lifting and installing Acoustilay tilemat. Guidance on the safe handling of heavy goods can be found at www.hse.gov.uk.

## GENERAL NOTES

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 Acoustilay Tilemat must remain the responsibility of the flooring contractor/installer. If in any doubt, please seek advice from the floor finish manufacturer.

Good practice applies in all cases. prior to installation of Acoustilay Tilemat the floor should be level, clean, and dry. Acoustilay Tilemat should be allowed to acclimatise to site conditions prior to installation.

## OTHER PRODUCTS IN THE SRS ACOUSTIC FLOORING RANGE:

**ACOUSTILAY:** The perfect product for sound insulating floors in domestic and commercial environments

**ACOUSTILAY TILEMAT:** the latest member of the Acoustilay family – specifically designed for installation under ceramic and stone floor tiles.

**SUBPRIMO:** a high performance acoustic underlay product, specifically designed for use beneath timber floor finishes such as laminate, engineered and solid wood.

**ISOLAYTE OS:** A versatile resilient layer designed to be used beneath most decorative floor finishes to reduce the transmission of impact sound through the floor.

**ISOLAYTE US:** A resilient layer design to be used between the concrete floor and the screed to reduce the transmission of impact sound through the floor.

**IMPACTAFOAM:** Designed to form a resilient layer reducing impact noise transmission in concrete and timber floors.


Sound Reduction Systems Ltd
Adam Street,
Bolton, BL3 2AP

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