



TESTED  
AT SALFORD  
UNIVERSITY

DETAILS ON  
PAGE 4



T&G Moisture Resistant MDF

10mm PET mat

TEKFON

# ACUSTOP SLIMFLOOR 19

## PRODUCT DETAILS

### Twice recycled PET mat laminated to T&G Moisture Resistant MDF.

Boards are manufactured of 9mm T&G all sides MR MDF, bonded to a 100% twice recycled 10mm PET mat.

Sheets are supplied in 1200mm x 600mm boards which are 19mm thick, for the acoustic treatment of concrete and timber floors when used in conjunction with a recognised acoustic ceiling treatment.

The system can be installed over an existing timber or concrete subfloor fully supported and **IS NOT** a structurally supporting product and must be installed fully supported.

It is the customers responsibility to ensure that the subfloor can provide the support required. Noggins/additional support must be fitted when required.

Boards are installed as a floating floor system with the requirement of our acoustic perimeter strip to ensure isolation of the boards from the superstructure and skirting boards.

## KEY FEATURES

- Very low-profile acoustic flooring solution
- Twice recycled PET Mat
- 7 recycled bottles used for every board
- PET mat considered hypoallergenic
- Extremely low VOCs
- Moisture Resistant MDF
- Hard wearing surface
- Suitable for carpets with underlay
- Suitable for LVT & vinyls

## PERFORMANCE

Tekfon Acustop Slimfloor 19 requires that all components are utilised as specified. The ceiling treatment below the subfloor is also vital for the performance of the system.

The Tekfon components are as follows:

- Tekfon Acustop Slimfloor 19mm
- Tekfon Perimeter Strip
- Tekfon Water Resistant 2 in 1 Adhesive
- Tekfon Acoustic and Intumescent Mastic

The ceiling treatment requires the use of 2 layers of 15mm Acoustic plasterboard fitted onto resilient bars at 400mm centres\*. Additionally, a 100mm 60kgm<sup>3</sup> slab should be fitted between the joists, or into the ceiling void below the subfloor to complete the treatment. All edges to be sealed with acoustic sealant.



## INSTALLATION GUIDE

The subfloor should be prepared with any fixings driven below the surface. All boards should be securely fixed, dust & debris free, and be of serviceable quality.

Start by cutting the tongue from the boards that are to abut the wall, and scribe in as necessary. Perimeter boards should be separated from contact with the wall by use of our acoustic foam perimeter strip that will also isolate the board from the skirting board.

Boards should be laid in a half bond pattern commencing as far as possible away from any doorway.

When cutting boards some dust will be generated, use PPE as necessary.

It may be necessary to provide additional bracing and noggins to ensure sufficient rigidity of the supporting subfloor.

Any pipework or services that need to pass through the floor should be passed through a hole larger than the pipe or service with the gap being sealed with Tekfon acoustic and intumescent mastic. In a bathroom or kitchen installation the units should be installed on a separate platform formed from plywood or OSB on isolating pads, and not directly on to the Tekfon Acustop MR MDF. Any new partitions should be constructed directly from the subfloor and isolated from the panels using the Tekfon acoustic foam perimeter strip.

Mechanical fixings should not be used except where 2 panels with cut edges abut at a doorway to secure the end of the panel.

All tongue and groove joints should be tightly butted and glued with our 2 in 1 glue with any excess being removed from the surface. Once installed the boards should not be trafficked for a minimum of 24 hours prior to the installation of the skirting boards and surface finishes.

A final check should be conducted to ensure that there are no open voids through the installation, which if found should be sealed with Tekfon acoustic and intumescent sealant.

## BUILDING REGULATIONS - APPROVED DOCUMENT E

### Purpose built dwelling-houses and flats standards\*\*

	AIRBORNE SOUND INSULATION DnT,w + Ctr dB	IMPACT SOUND INSULATION L' nT,w dB
Walls	45	-
Floors and Stairs	45	62
<b>CHANGE OF USE</b>		
Walls	43	-
Floors and Stairs	43	64

### Rooms for residential purposes\*

	AIRBORNE SOUND INSULATION DnT,w + Ctr dB	IMPACT SOUND INSULATION L' nT,w dB
Walls	43	-
Floors and Stairs	45	62
<b>CHANGE OF USE</b>		
Walls	43	-
Floors and Stairs	43	64

The Tekfon Acustop Slimfloor 19 has been designed to provide acoustic solutions and are subject to our continued testing, monitoring, and development. As previously stated, they require the use of all components and the ceiling treatments to perform to their intended performance.

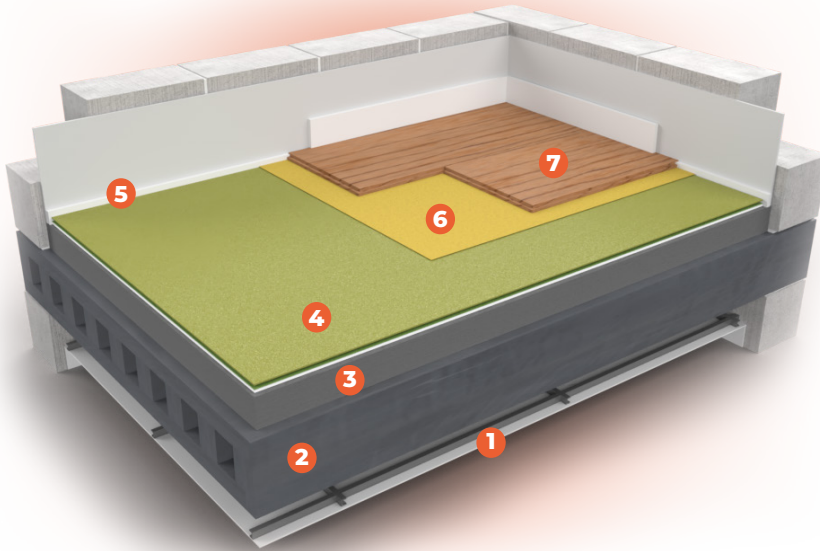
\*Acoustic Ceiling treatment required, see performance on page 1.

\*\* Current at time of production. It is the installers responsibility to ensure that the work is compliant with current Building Regulations.



## INSTALLATION OPTIONS

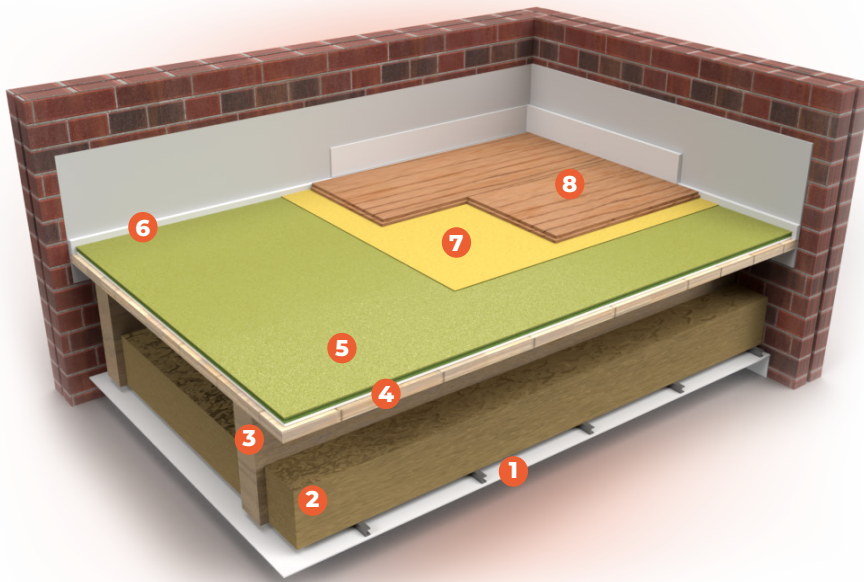
### Acustop Slimfloor 19 on Concrete/Screed Subfloor



1. Acoustic Ceiling\*
2. Concrete Slab
3. Screed
4. Acustop Slimfloor 19
5. Tekfon Perimeter Strip
6. Flooring Underlay
7. Floor Covering

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### Acustop Slimfloor 19 on Timber Subfloor



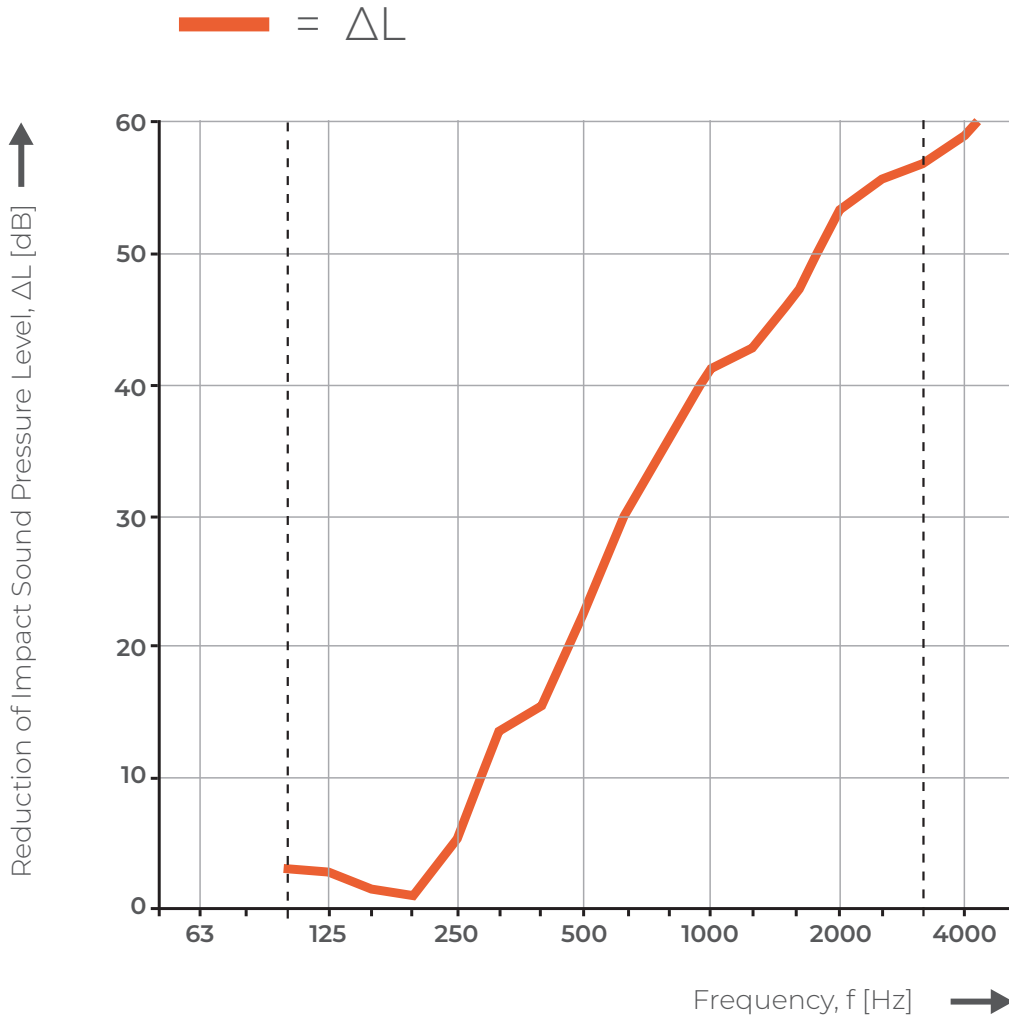
1. Acoustic Ceiling\*
2. 100mm 60kgm<sup>3</sup> Insulation Slab
3. Joist
4. Floorboards
5. Acustop Chipboard
6. Tekfon Perimeter Strip
7. Flooring Underlay
8. Floor Covering



## TESTING

Test BS EN ISO 10140-3:2021 Acoustics - Laboratory measurement of the reduction of transmitted impact noise by floor coverings on a heavyweight standard floor.

Acustop Slimfloor 19mm overall results show reduction only of product applied to an existing floor structure which will have an impact reduction already.



### RATING ACCORDING TO BS EN ISO 717-2:2020

$$\Delta L_W = 21 \text{ dB}$$

$$C_{I,\Delta} = -10 \text{ dB}$$

$$C_{I,r} = -1 \text{ dB}$$

Evaluation based on laboratory measurement results obtained in one-third-octave bands by an engineering method giving indicative figures.