

# Defender Micro Plus

## High Performance Acoustic Floor System

Trim Defender Micro Plus should be laid directly onto an existing timber floor in a broken bond pattern with all joints glued and perimeters sealed using 23mm x 5mm Perimeter isolation tape.

### Features & Benefits

- Supports Floor Loadings defined in BS: 6399-1: 1996
- Superior Performance - the felt base layer used has excellent impact Improvement
- Quality Assured - Trim Acoustics products meet all current standards.



Trim Defender Micro Plus is a high performance soundproofing floor system designed to reduce sound transmission through new build and existing properties.

Trim Defender Micro Plus has a nominal thickness of 21mm and consists of 6mm moisture resistant MDF bonded to 8mm cement particle board bonded to 7mm layer of impact resistant felt. When installed as part of a complete sound reduction system it enables a timber floor to meet the sound transmission regulations of Document E

### Performance

Treated Timber Floor	$D_{nT,w} + C_{tr}$	$L_{nT,w}$
	51dB	49dB

Performance figures based on Defender Micro Plus laid over 18mm chipboard with a ceiling construction of: 45kg/m<sup>3</sup> insulation between joist & 2 x 12.5mm Plasterboards on resilient bars

### System Components

Overall Dimensions	1175mm x 575mm x 21mm thick
6mm Moisture Resistant MDF	
8mm Cement Particle Board	
Resilient layer composition	7mm impact resistant felt

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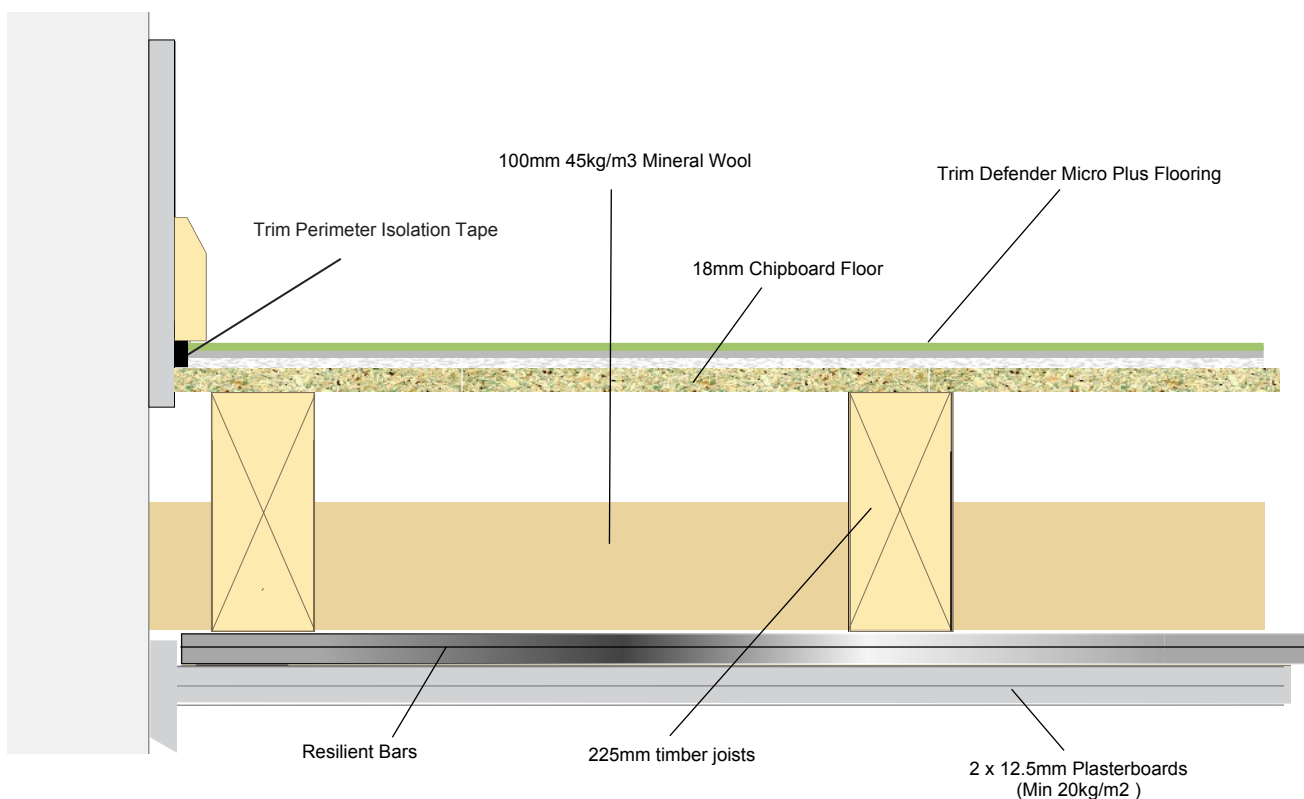
## Fitting Instructions

### Ceiling Treatments

- Increasing the mass and absorption of the floor by laying mineral wool between the joists
- Form the ceiling with a minimum of two layers of plasterboard (2 x 12.5mm)
- Fit resilient bars to the joist prior to fitting the plasterboard

### Flanking Transmission

The acoustic performance of a floor can be compromised by the passage of sound through walls and ducts, which adjoin or penetrate a floor, a phenomenon known as flanking transmission. To reduce flanking transmission the acoustic flooring must be isolated from walls and other structural elements. Trim Acoustics Isolation Strip is a flexible polyethylene strip designed to form and seal between the flooring and the wall.



Trim Defender Micro Plus over

### Installation

- Use isolation tape on all perimeter walls
- Lay Defender Micro Plus boards over existing floor in a broken bond pattern, applying adhesive to all tongue and groove panel joints.