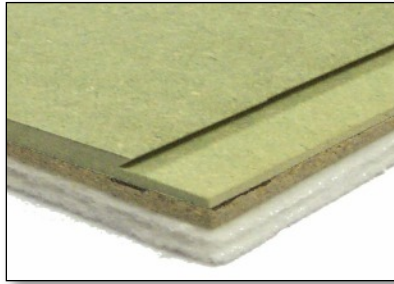


Trim 'Exclusive'

Acoustic Floor Systems

Trim Defender 21

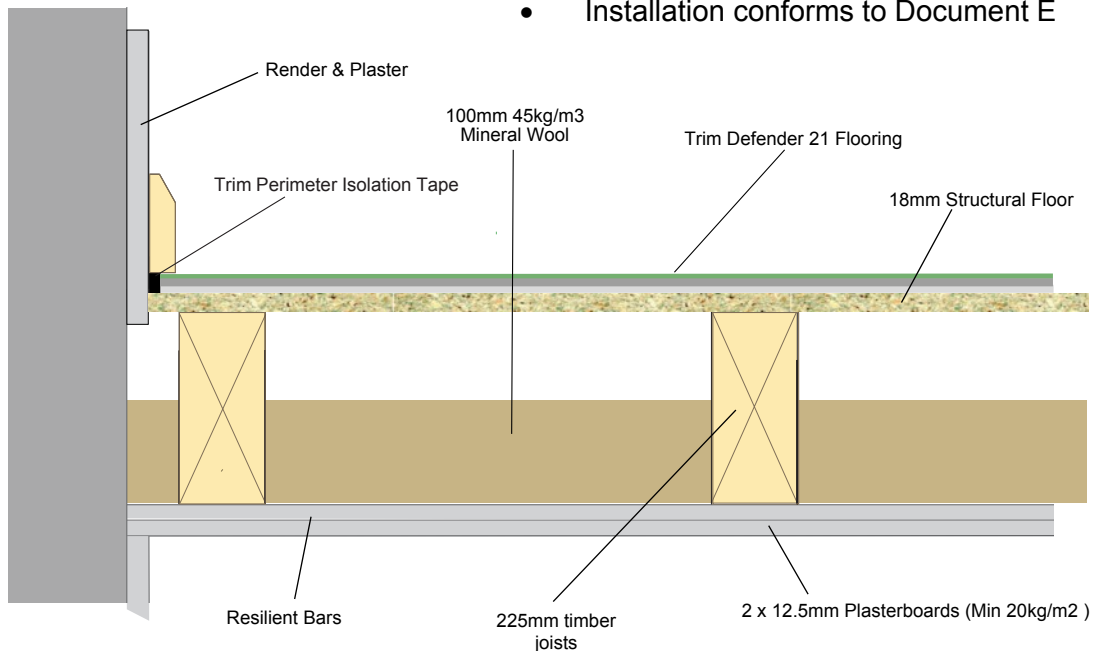
High Performance Acoustic Floor System



Trim Defender 21 is designed to be laid directly on top of an existing timber floor construction in a broken bond pattern with all joints glued and perimeters sealed using 23mm x 5mm Perimeter isolation tape.

Features & Benefits

- Designed to reduce both airborne sound and impact noise passing through floors with minimal loss in room height.
- Superior Performance - Cement particle board core.
- Quality Assured - Trim Acoustics products meet all current standards.
- Installation conforms to Document E



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 a seal between the flooring and the wall.

System Components

| | |
|---------------------------------|-----------------------------|
| Overall Dimensions | 1175mm x 575mm x 21mm thick |
| 10mm moisture resistant T&G MDF | |
| 10mm cement particle board | |
| Resilient layer composition | 9mm decoupled felt |

Performance

| Treated timber floor | $D_{nT,w} + C_{tr}$ | $L_{nT,w}$ |
|----------------------|---------------------|------------|
| | 44dB | 57dB |

Performance figures based on Defender 21 laid over 18mm chipboard with a ceiling construction of: 45kg/m³ insulation between joist & 2 x 12.5mm.

| Treated timber floor with resilient bar ceiling | $D_{nT,w} + C_{tr}$ | $L_{nT,w}$ |
|---|---------------------|------------|
| | 51dB | 49dB |

Performance figures based on Defender 21 laid over 18mm chipboard with a ceiling construction of: 45kg/m³ insulation between joist & 2 x 12.5mm on resilient bars.