



INSTALLATION GUIDE

# Gold Floor System

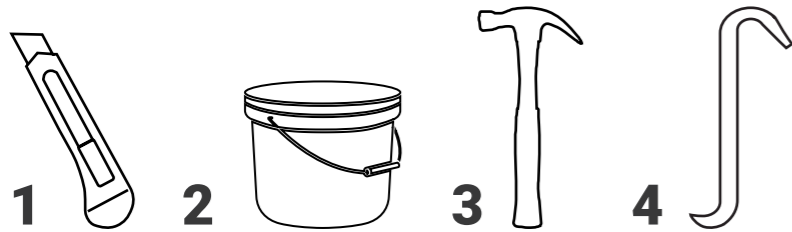
Floor soundproofing for impact and airborne noise issues.



# Installation overview - with hard floor finish

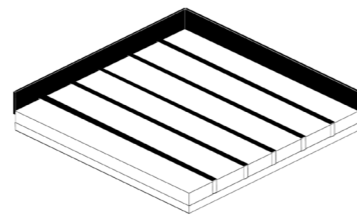
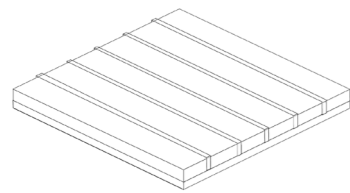
- 1. Sharp Blade
- 2. Mapei VS90 Adhesive

- 3. Hammer
- 4. Crowbar



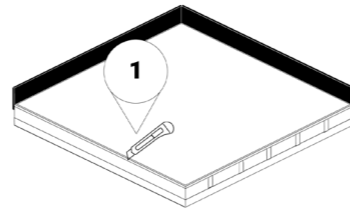
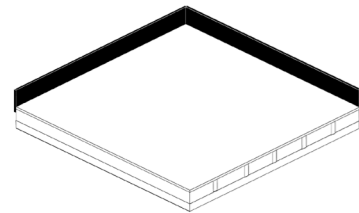
**1** Remove your current flooring using a hammer and crowbar to expose the cavity spaces and fill these with acoustic mineral wool.

**2** Adhere isolation strips to the tops of joists and add the perimeter flanking band to the edge of the room.



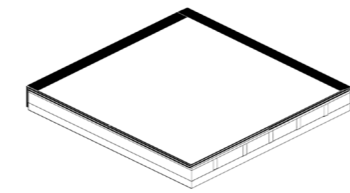
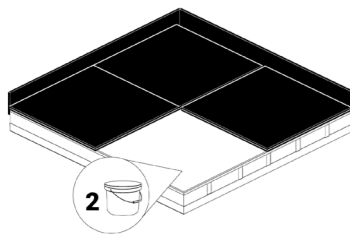
**3** Install your subfloor, pressing it up to the perimeter flanking band.

**4** Bond Tecsound to the subfloor and trim pieces to size with a sharp blade.



**5** Adhere the MuteMat 3 to the Tecsound with a suitable adhesive.

**6** Bond a 6mm rigid boarding layer and then install your hard floor finish.



# System Components



MuteMat 3 is a triple layered underlay compatible with carpets and hard floors. It consists of a closed-cell foam to absorb impact and two layers of mass loaded vinyl to reflect airborne noise.



Perimeter flanking band (optional addition) is a barrier between the floor and the skirting board. This helps to reduce the transference of impact vibrations into the walls.



Tecsound self adhesive visco-elastic membrane. This layers adds more mass and also dissipates vibrations within itself to help reduce impact noises.



Self adhesive rubber crumb isolation strips absorb and dissipate impact vibrations. Bonding them to the tops of flooring joists is a techniques used to create a 'floating floor' by isolating vibrations.



Acoustic mineral wool has a high mass which gives it the acoustic properties. This is different to standard thermal insulation and it prevents the drum effect which can amplify your noise issue if left untreated.

#### Ancillaries required

- **Acoustic sealant**, this is needed to seal gaps and cracks between layers. Making a system airtight improves the soundproofing quality and this sealant also dissipates vibrations.
- **Cloth tape**, this covers the joins between the underlay matting.
- **Suitable adhesive**, we use Mapei 90 Ultra Bond to adhere the mats to the subfloor.

#### Tools required

- **Cutting tool**, a Stanley knife, or similar, is used to cut both plasterboard and Tecsound.
- **Sealant gun and spatula**, these are needed to correctly apply the acoustic sealant.

## FAQ's

### Do I need to bond the MuteMats to the subfloor?

We always recommend bonding the mats down with a suitable adhesive, such as Mapei VS 90, to ensure they cannot shift over time.

### Can I use ordinary fiber glass insulation instead of acoustic mineral wool?

No, this won't work as standard wall and ceiling insulation has thermal properties, not acoustic. To be acoustic it needs a density of 45kg/m<sup>3</sup> or more. For ceilings we always recommend 60kg/m<sup>3</sup> or more.

### Can I lay hard flooring straight over the top?

No, a hard floor will need a 6mm rigid boarding layer over the mats first. This will provide stability to your floor finish while allowing the impact absorbing layers to do their job.

### Do I still need a standard carpet underlay layer?

No, you don't need one as the MuteMats are designed to be comfortable underfoot. However, if you're like to add one, this will not harm your soundproofing and it can be installed just before your carpet as normal.

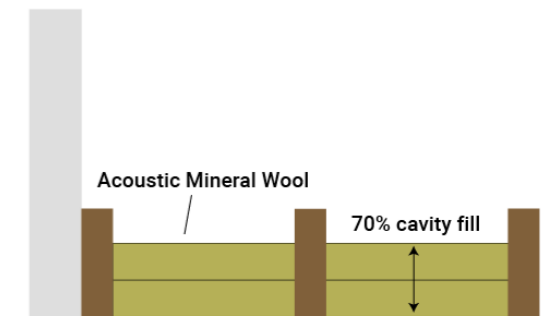
Watch the installation of this system on our YouTube channel. Scan the QR code, or, click the image.



## Hard Floor Finishes

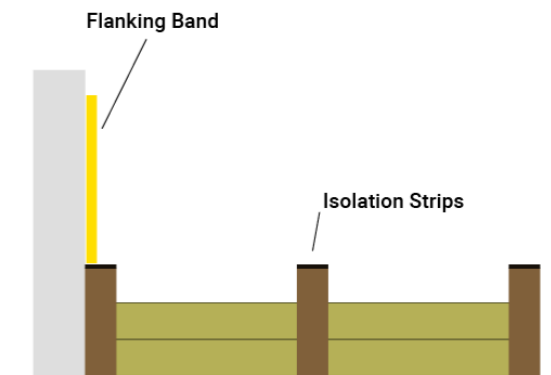
### Step 1

- Remove the flooring, including the subfloor and the skirting board.
- Fill **70%** of the cavity space with acoustic mineral wool.



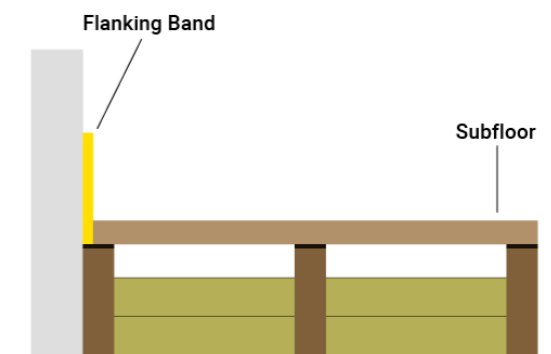
### Step 2

- Remove the backing and firmly press the isolation strips on top of the joists.
- Unwrap and place the flanking band around the perimeter of the room.
- Hold it in place with some tape if required.



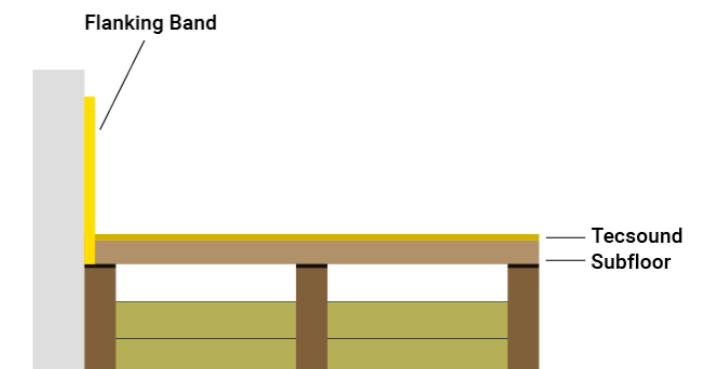
### Step 3

- Reinstall your subfloor layer.
- Push this up to your perimeter flanking band, which should create a barrier from the wall.



### Step 4

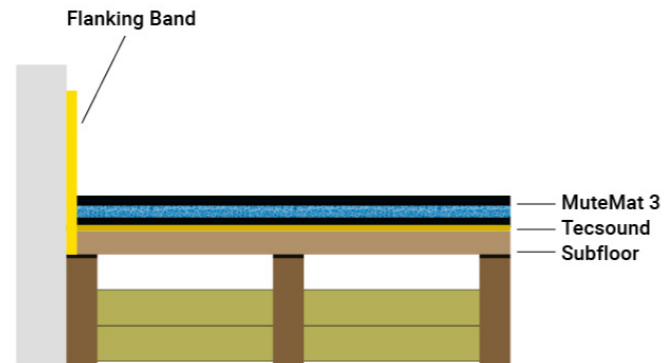
- Install the Tecsound self adhesive membrane.
- Expose the top edge of a piece and smooth it down while pulling away the backing film.
- To cut pieces, use a sharp blade.



## Carpet Finishes

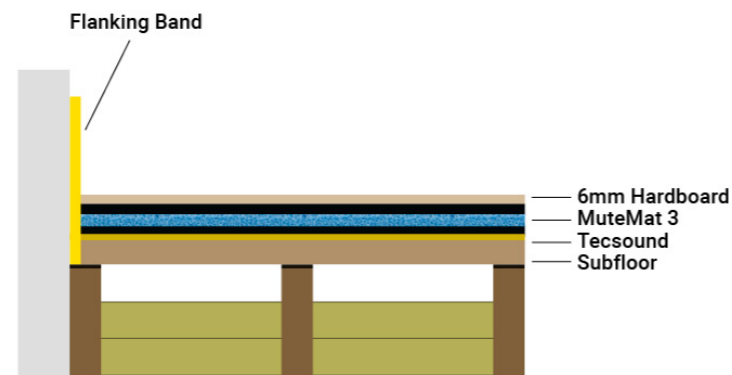
### Step 5

- Loose lay the MuteMat 3 and cut pieces to the correct size with a sharp blade.
- When the pieces fit, bond them down with a suitable adhesive, like the Mapei VS90.
- Cover the joints between each mat with cloth tape.



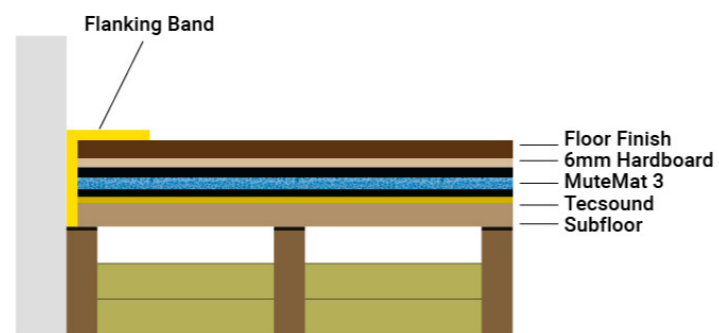
### Step 6

- Using a suitable adhesive, such as the Mapei VS90, bond a **6mm** rigid layer over the mats.
- This is required to support hard floor finishes.



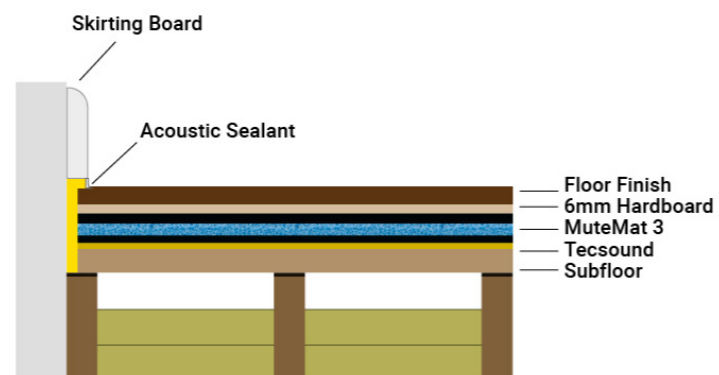
### Step 7

- Lay your hard flooring as normal.
- Fold the flanking band down over the floor.



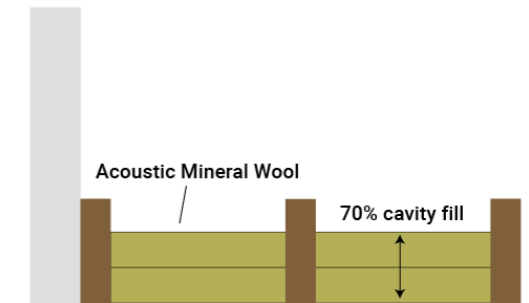
### Step 8

- Install your skirting board over the flanking band, only attaching it to the wall.
- Trim the excess band away.
- Fill the small gap with a bead of acoustic sealant to hide the flanking band.



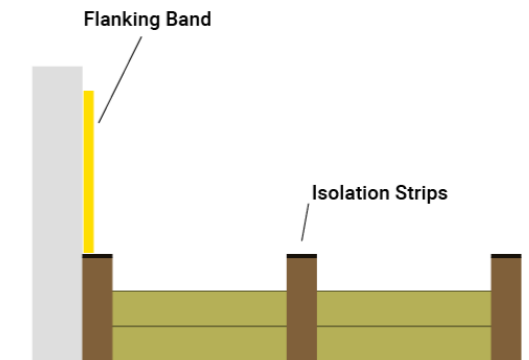
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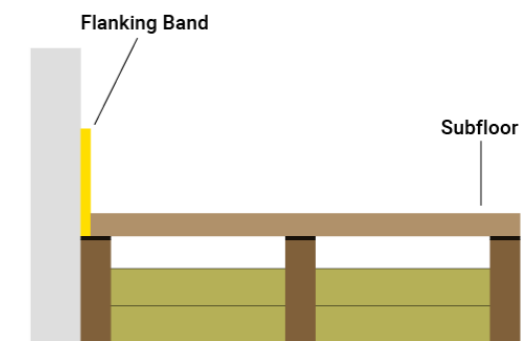
### Step 2

- Remove the backing and firmly press the isolation strips on top of the joists.
- Unwrap and place the flanking band around the perimeter of the room.
- Hold it in place with some tape if required.



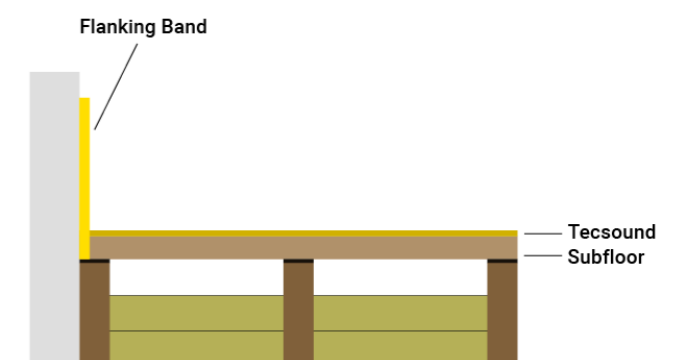
### Step 3

- Reinstall your subfloor layer.
- Push this up to your perimeter flanking band, which should create a barrier from the wall.



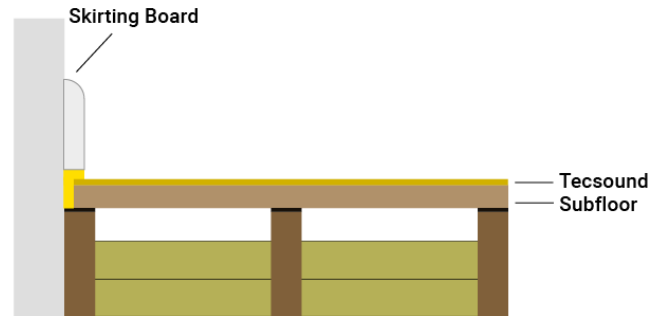
### Step 4

- Install the Tecsound self adhesive membrane.
- Expose the top edge of a piece and smooth it down while pulling away the backing film.
- To cut pieces, use a sharp blade.



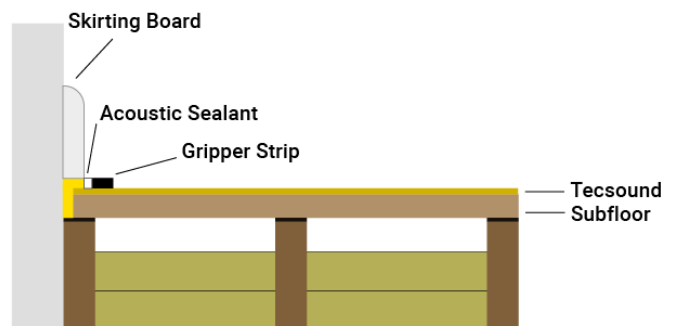
### Step 5

- Fold the perimeter flanking band down.
- Install the skirting board over the top and adhere it to the wall only.
- Trim away the excess flanking band.



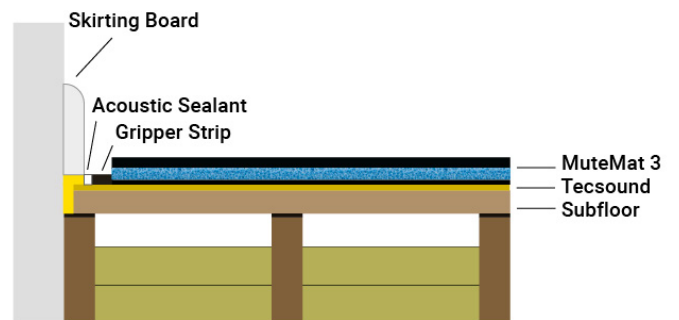
### Step 6

- Remove the self adhesive backing and press the gripper isolation strip **2-5mm** away from the skirting board.
- Fill the resultant gap with acoustic sealant.



### Step 7

- Loose lay the MuteMat 3 down and trim pieces to size with a sharp blade.
- When they fit, bond pieces with a suitable adhesive, we used Mapei VS90.



### Step 8

- Tack a new carpet gripper into the isolation strip.
- Be sure these tacks don't make contact with the subfloor.
- Lay your carpet over this as normal, a carpet specific underlay is not required.

