



INSTALLATION GUIDE

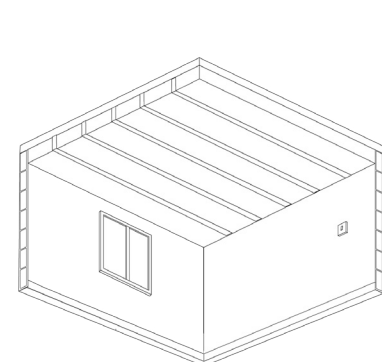
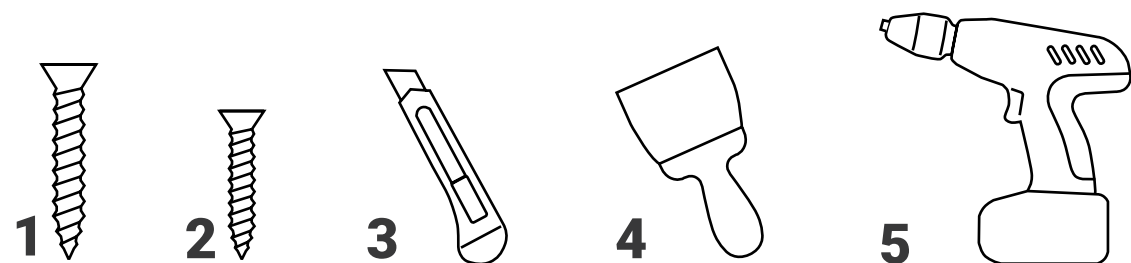
Bronze Ceiling System

Ceiling soundproofing solution for airborne noise issues.

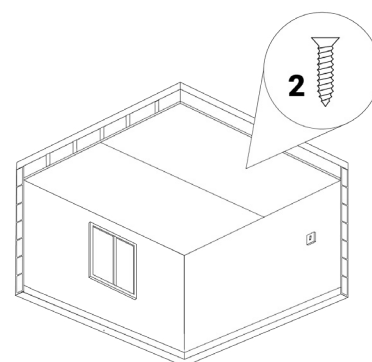


Installation overview

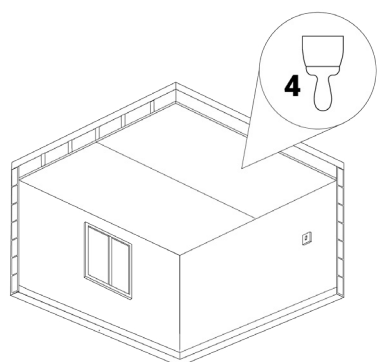
1. 50mm Fine Thread Dry Wall Screws
2. 32mm Fine Thread Dry Wall Screws
3. Stanley Knife
4. Sealant Spatula and Gun
5. Drill



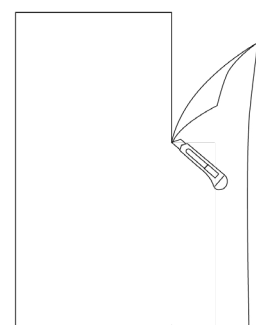
1
Remove your current ceiling surface and the coving.



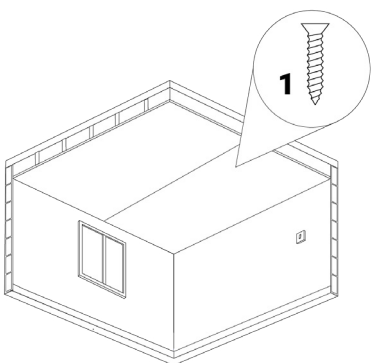
2
Fix the first layer of acoustic plasterboard to the wooden ceiling joists. Leave a 2-5mm gap around the perimeter of the ceiling using packers.



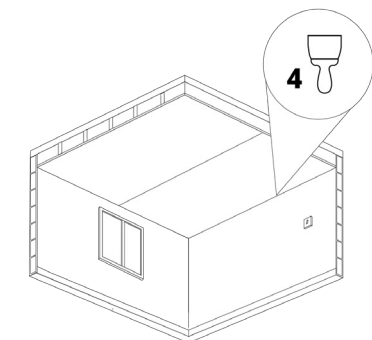
3
Fill the 2-5mm perimeter gap between panels with acoustic sealant.



4
Before the final layer of plasterboard is fitted, adhere the membrane layer to the back of the boards. This is easier than fitting the membrane onto the ceiling above you.



5
Fit the membrane and panels to the ceiling. Stagger the joins from layer one so they don't line up. Repeat the 2-5mm gap around the edge.



6
Finish the surface by filling the perimeter gaps and other cracks with acoustic sealant.

System Components



1
&
3



Acoustic plasterboard has a higher mass than regular panels and will reflect airborne noises. These are screwed into the ceiling joists.

2



Layer two is a visco-elastic membrane with high mass and flex. This reflects more noise and help absorb vibrations in the structure.



We have a whole range of specialist soundproofing materials that can be arranged to protect you from impact and airborne noises. You can find out more on our website, or, contact our helpful technical team.

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.
- **Scrim tape**, this is used over joins between acoustic plasterboards and offers good adhesion with a skim plaster layer.
- **32mm fine thread dry wall screws**, these are used to join the first layer of plasterboard to the furring channels.
- **50mm fine thread dry wall screws**, these are used to join the second layer of plasterboard to the furring channels.

Tools required

- **Drill**, use to attach layers of boarding.
- **Cutting tool**, a Stanley knife, or similar, is used to cut both plasterboard and Tecsound.
- **PPE**, gloves, mask and goggles are suggested when handling acoustic mineral wool.
- **Sealant gun and spatula**, these are needed to correctly apply the acoustic sealant.
- **Plasterboard lift**, optional, but relatively inexpensive to hire. This is a very safe and easy way to lift and position your boards.

FAQ's

Can I soundproof over my existing ceiling?

No, you shouldn't soundproof over directly your existing ceiling as it causes issues with the system. You can soundproof over the ceiling only if you add batten strips first, however, your soundproofing is less effective and this takes up far more headroom.

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/m³ or more. For ceilings we always recommend 60kg/m³ or more.

Can I reinstate my coving?

Best practice is not to reinstate ceiling coving when you are soundproofing a wall or your ceiling. However, we understand that many people enjoy this feature and so we have a simple method for reinstating it after your soundproofing has been completed. It's a simple process and is outlined in this installation guide for you.

Can I just use ordinary plasterboard?

While they look the same, acoustic plasterboard has a much higher mass. This means it can reflect more airborne noise, like talking or music. This makes your soundproofing much more effective and is why we use this specialist material.

What about my lights?

We recommend installing a pendant light fixing as this only creates one small hole in your soundproofing layer. Downlights create many weak areas and are not ideal. If you want to keep your downlights, use the acoustic downlight covers to seal the holes up better.



BRONZE CEILING Installation Video

Follow the step by step installation video below to see how this system is installed. Scan the QR code, or, click the image below to get started.



BRONZE CEILING Written Installation Guide

We suggest hiring a plasterboard lift for ceiling soundproofing installations and having two pairs of hands on site for the job.

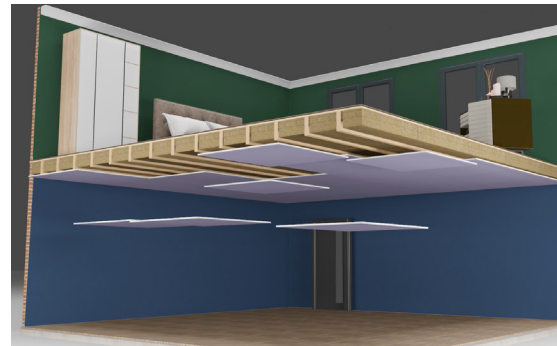
Step 1

- Remove your current ceiling surface back to the joists.
- Leave your thermal insulation in place, unless, you want to make an upgrade and replace it with acoustic mineral wool instead.
- If you have dot and dab plasterboards on your walls, cut into the top of these by the system depth of **34mm**.



Step 2

- Mark the location of your joists on the walls so you can find them after the first layer of plasterboard is installed.
- Measure your ceiling to calculate the number of boards. If the final piece will be very small, cut the penultimate board smaller to fit two medium sized boards instead.
- To cut these to size, score and snap with a sharp blade.



Step 3

- Use packers between the boards and walls to create a **2-5mm gap** around the ceiling perimeter.
- Screw the boards to the joists with **32mm fine thread drywall screws**.
- A plasterboard lift is best for this situation as soundproofing materials have a lot of mass.
- Fill the gap, and joins between boards, with acoustic sealant.



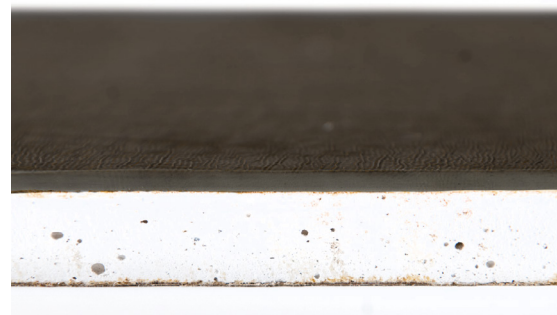
Step 4

- Before installing the membrane layer, measure, score and snap the second layer of acoustic plasterboards.
- The visco-elastic membrane (layer 2), should be bonded to the **back** of these boards (brown side).
- This makes the membrane easier to install as it is heavy and flexible.



Step 5

- Peel back the clear film and press the membrane onto the brown side of the acoustic plasterboards.
- Smooth along it to expel air bubbles as you go. Should one become stuck, release the air with a small slit.
- Trim the edges to fit with a sharp blade.



Step 5

- Use the marks on the walls to create chalk lines showing the joist placement ready to install the second layer.
- Leave a **2-5mm gap** around the perimeter of the ceiling, use packers to assist you.
- This layer requires **50mm fine thread dry wall screws**.
- These should be screwed into the joists.



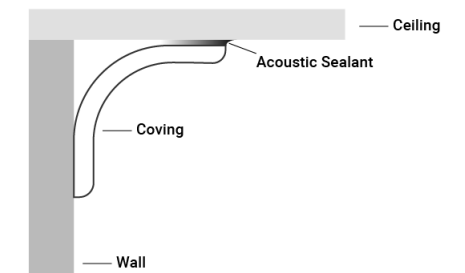
Step 6

- Use acoustic sealant to fill the perimeter gap and gaps between boards.
- Do not use a caulk because it has an inflexible set.
- Cover joins between boards with scrim tape, ready for a skim plaster layer.



Step 7

- Skim plaster straight over the boards
- To reinstate coving, adhere it to the wall only.
- Create a **2-5mm gap** from the ceiling with the coving.
- Fill this gap with acoustic sealant.



Want to know more?

Call us: 01937 588 226
Email us: info@ikoustic.com
www.ikoustic.co.uk

Call our technical team Monday - Friday who will be happy to help.

You can also find a whole host of information on our website from systems to FAQs.