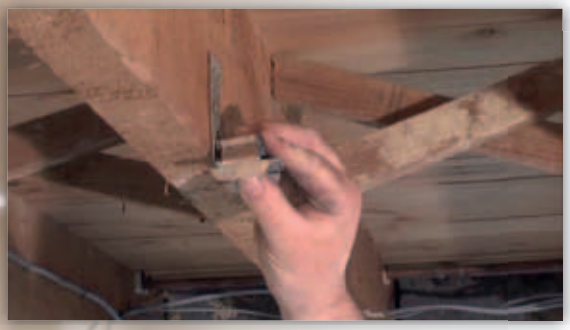
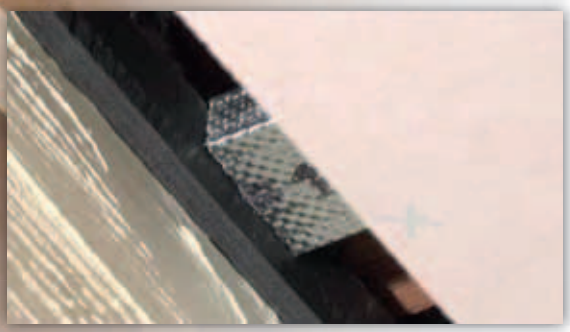
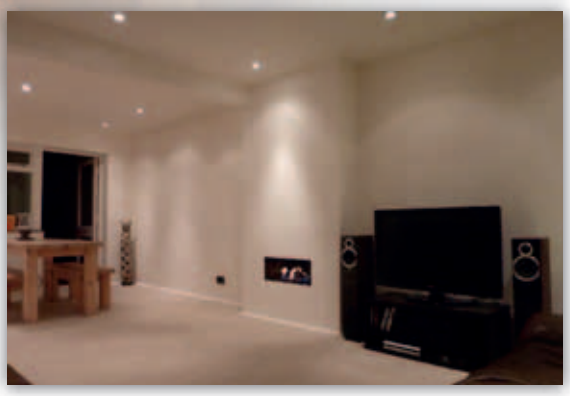

Oscar
Iso-Mount®
The space saving acoustic mount
Space Saving Isolation Mount
for Sound Proofing Ceilings
www.oscar-acoustics.co.uk
OSCAR
ACOUSTICS

See the introductory video & installation guide on the Oscar Iso-Mount web page







Oscar Iso-Mount

The space saving acoustic mount

- Lose as little as 6mm ceiling height
- Adjustable side of joist fixing
- All work carried out from room below
- Fast & simple clip together installation
- Appears as standard plastered ceiling
- Installation tests exceed UK building reg requirements of Approved Document E - Resistance to the passage of sound.

> Can you please allow me the luxury of giving some feedback on my recent purchase? The whole transaction has been simple and easy. I fitted the ceiling this weekend and it's made an instant difference. So much so that I had to ask the owner of the flat above if he had been using the room above. I will recommend the product to my friends and will use it on other ceilings in my flat. Keep up the good work.
>
> **Jim Hood**

Many sound proofing products promise good results, but without the basic isolating principles in place, these will have limited effect.

Oscar Acoustics has over 30 years' experience in the acoustics industry, working on such projects as Warner Bros film studios, Greenwich Royal Observatory, Tate Modern & Britain, Royal Albert Hall, O2 Dome & Arena. We now offer our knowledge to you, the builder, developer and competent DIY person with our new Oscar Iso-Mount for ceiling sound proofing.

See our Oscar Iso-Wall product for wall soundproofing.

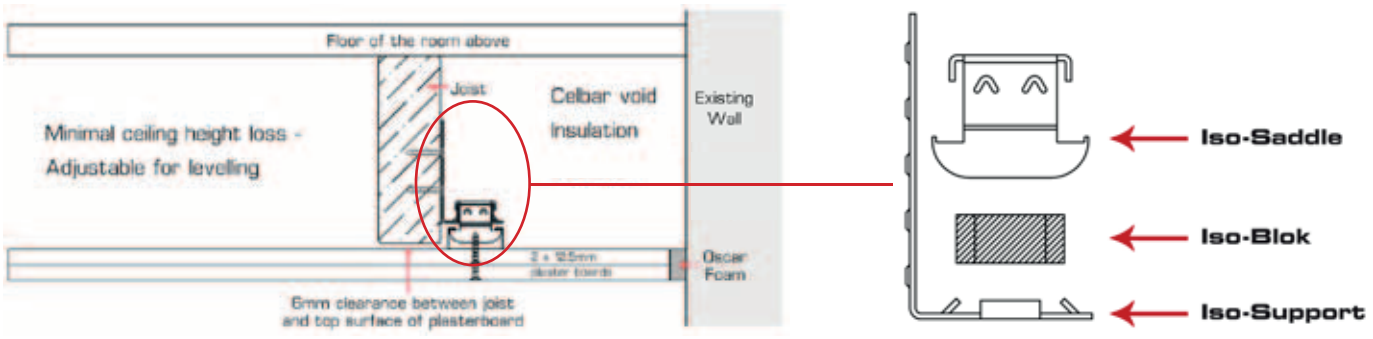
How does sound transmit through ceilings, floors and walls?

Sound passes through ceilings / floors as vibration. For example, sound pressure waves generated by a music system in an upper flat, penetrate and travel through the floor boards, joists and ceiling in the form of vibration, they radiate from the ceiling of the flat below as sound pressure again; weaker but in many cases still too powerful (Loud). Either side of joists the sound pressure turns to vibration through the floor – back to sound pressure through the air void – vibration again through the ceiling – and back to sound pressure in the flat below.

Solution

Break the path of vibration through the Joists: with an Oscar Iso-Mount soundproof ceiling
and
Absorb the sound pressure passing through the void: with Celbar Acoustic Void Fill

Celbar is manufactured by International Cellulose Corporation



Technical Information

Maximum loading of an Oscar Iso-Mount is 13.5kg. Spaced evenly at 4 Iso-Mounts per square metre the maximum loading per square metre is 54kg.

Typical loading calculation for 220mm (8.66 inches), deep joists:

2x layers of 12mm plasterboard at 10kg each	20
220mm Celbar void fill at 40kg/cu.mtr	9
Metal 'C' stud at	1.2
4x Iso-Mounts at 37 grams each	0.148
Total	31kg/sq.m
	(6.35 lbs/sq.ft)

Plus: The weight of downlighters, smoke sensors, grills etc. that are to be fixed in the plasterboard. Consult the manufacturers of the plasterboard for fixtures to be fixed directly to the plasterboard. Use fastenings as recommended by the manufacturer.

Note: Celbar is an excellent thermal insulator. Bring this to the attention of your qualified electrician who may have to allow for heavier duty cables and top hat downlight covers. Covers are to be fitted in place following the Celbar installation.

Acoustic Testing Results

Acoustic testing by MRL Acoustics Ltd. (Acoustic Consultants)

19 Wilberforce Road

Test No.	Source Room	Receiver Room	Test Type & Required Sound Insulation	Measured Sound Insulation	Pass/Fail	
1	First Floor Bedroom 2 (28m³)	Ground Floor Dining Room (28m³)	Airbourne Floor 43 dB $D_{nT,w}$ + Ctr (minimum)	24 dB $D_{nT,w}$ + Ctr	Fail	**Before**
2	First Floor Bedroom 2 (28m³)	Ground Floor Dining Room (28m³)	Inpact Floor 64 dB $L'_{nT,w}$ (maximum)	82 dB $L'_{nT,w}$	Fail	

Test No.	Source Room	Receiver Room	Test Type & Required Sound Insulation	Measured Sound Insulation	Pass/Fail	
3	First Floor Bedroom 2 (28m³)	Ground Floor Dining Room (28m³)	Airbourne Floor 43 dB $D_{nT,w}$ + Ctr (minimum)	47 dB $D_{nT,w}$ + Ctr	Pass	
4	First Floor Bedroom 1 (28m³)	Ground Floor Lounge (28m³)	Airbourne Floor 43 dB $D_{nT,w}$ + Ctr (minimum)	46 dB $D_{nT,w}$ + Ctr	Pass	**After**
5	First Floor Bedroom 2 (28m³)	Ground Floor Dining Room (28m³)	Impact Floor 64 dB $L'_{nT,w}$ (maximum)	58 dB $L'_{nT,w}$	Pass	
6	First Floor Bedroom 1 (28m³)	Ground Floor Lounge (28m³)	Impact Floor 64 dB $L'_{nT,w}$ (maximum)	58 dB $L'_{nT,w}$	Pass	

209 Boxley Road

Test No.	Source Room	Receiver Room	Test Type & Required Sound Insulation	Measured Sound Insulation	Pass/Fail	
1	No. 209 Kitchen (49m³)	No. 209a Kitchen (49m³)	Airbourne Floor 43 dB $D_{nT,w}$ + Ctr (minimum)	48 dB $D_{nT,w}$ + Ctr	Pass	
2	No. 209 Lounge (68m³)	No. 209a Lounge (68m³)	Airbourne Floor 43 dB $D_{nT,w}$ + Ctr (minimum)	49 dB $D_{nT,w}$ + Ctr	Pass	**After**
3	No. 209 Kitchen (49m³)	No. 209a Kitchen (49m³)	Impact Floor 64 dB $L'_{nT,w}$ (maximum)	51 dB $L'_{nT,w}$	Pass	
4	No. 209 Lounge (68m³)	No. 209a Lounge (68m³)	Impact Floor 64 dB $L'_{nT,w}$ (maximum)	55 dB $L'_{nT,w}$	Pass	

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