



# Acoustic Performance and Sound Insulation Inspection

Interactive checklist for inspecting acoustic performance and sound insulation. Includes tick, comment, and export as PDF/Excel features.

Project:

Date:

Filled by:

## Pre-Inspection Preparation

1	Gather all necessary tools including a sound level meter, insulation materials data sheets, and a flashlight.
2	Review architectural plans to understand specified acoustic performance standards.

## Sound Barrier Assessment

3	Inspect walls for proper installation of sound barriers, ensuring no gaps or breaches are present.
4	Use a sound level meter to measure the transmission loss across walls.
5	Check for appropriate thickness and density of sound insulation materials.

## Floor and Ceiling Insulation

6	Evaluate floor and ceiling systems for effective sound dampening materials.
7	Ensure ceiling insulation is properly installed without voids or compression.
8	Inspect flooring for any signs of structural transmission paths that may allow sound leakage.

## Door and Window Acoustics

9	Verify that all doors and windows have adequate seals to prevent sound leakage.
10	Check for double glazing in windows to enhance sound insulation.

## Ventilation and Ductwork

11	Inspect ductwork for proper installation of acoustic liners and silencers.
12	Ensure that ventilation openings are properly covered to prevent sound transfer.

## Final Acoustic Testing

13	Conduct a final sound level test in various rooms to verify overall acoustic performance.
14	Document all findings and compare them with the specified acoustic performance requirements.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Acoustic performance and sound insulation are critical components of building design and construction, ensuring sound control and privacy. This inspection checklist covers the evaluation of materials and construction methods used to achieve optimal acoustic performance. It focuses on assessing the effectiveness of sound barriers, insulation materials, and construction techniques used in walls, floors, and ceilings. Ensuring proper acoustic performance mitigates issues such as noise pollution and enhances occupant comfort and privacy. This interactive checklist allows you to tick off items, leave comments, and export your findings as PDF or Excel with a unique QR code for verification.	1. Click the 'Use this checklist' or 'Start Interactive Checklist' button to launch interactive mode. 2. Tick each item online as you complete it. 3. Add comments on individual items or the entire checklist. 4. Click 'Share' or 'Download' to download your completed checklist as PDF or Excel.