

Verification & Budget Protection

How post-install verification protects your project budget.

Customer resource • factual guide • Vancouver / BC commercial project context

Key takeaway: Verification turns an acoustic upgrade from a visual installation into a measurable outcome. It helps confirm the project scope, identify defects, and protect the budget from late remediation.

What verification can include

Room acoustics	Measure reverberation time, decay behaviour, and sometimes speech intelligibility or clarity, depending on the room use.
Sound isolation	Measure airborne sound transfer between rooms, floors, façades, or corridors using the field method appropriate to the target.
Impact sound	Measure floor/ceiling impact transfer where footsteps, rolling carts, gyms, or residential/commercial adjacency are concerns.
Sound masking	Measure spectrum, level, uniformity, zone boundaries, and control functionality after the system has been tuned.

How it protects the budget

Avoids overbuying	Baseline testing can show whether the problem is reverberation, leakage, mechanical noise, or an operational issue before materials are ordered.
Finds defects while they are accessible	In-progress reviews can catch gaps, unsealed penetrations, incorrect insulation, door seal issues, plenum paths, and ceiling conflicts before close-in.
Supports fair decisions	Measured data helps distinguish product performance, installation quality, and base-building limitations.
Creates acceptance records	A short verification report gives owners, designers, contractors, and tenants a record of what was measured and what conditions applied.

Recommended verification moments

1	Baseline before design or procurement when the cause is uncertain.
2	Mockup or first-area review before rolling out repetitive rooms.
3	Pre-close review for walls, ceilings, penetrations, ducts, and blocking details.
4	Post-install testing after finishes, furniture, and systems are close to final condition.
5	Follow-up after occupancy when complaints are behaviour-, HVAC-, or masking-level related.

Limitations to state clearly

Conditions matter	Occupancy, furniture, doors, HVAC mode, background noise, and adjacent activities can change measured results.
One metric is not everything	A room can meet a reverberation target while still having poor isolation, or meet an STC target while still having loud mechanical noise.
Testing should match the decision	Do not pay for a field test that does not answer the budget or acceptance question.

Use note: This guide is intended for customer education and early coordination. It is not a code ruling, engineered specification, or substitute for field measurements where a numeric performance target is required.