

← Acouso Playground

FREE ROOM ACOUSTICS TOOL

Free reverberation time calculator

Estimate RT60 across six octave bands using Sabine or Norris-Eyring. Build a simple room, assign editable finishes, add acoustic treatment, and compare the response immediately.

ROOM EDITOR

Assign finishes and treatments by surface

Everything you create stays in this browser tab for this visit only. Leaving the page or resetting restores the starting room.

Metric Imperial Reset explorer

Materials

Create

Select a material, then choose Apply on a surface. You can also drag the card onto it.

All Finish Acoustic treatment

concre

Dense painted concrete block

FINISH

NRC

0.05

4 surfaces

Light porous concrete block

FINISH

NRC

0.00

2 surfaces



Room surfaces

Each surface has one finish and up to one treatment. You'll confirm the treatment area before it is applied.

Selected: Concrete or terrazzo

Surface	Area	Finish	Treatment	Action
Ceiling	21.3 m²	☐ Concrete or terrazzo	None	Apply selected
North wall	37.5 m²	☐ Dense painted concrete block	None	Apply selected
East wall	5.1 m²	☐ Dense painted concrete block	None	Apply selected
South wall	37.5 m²	☐ Dense painted concrete block	None	Apply selected

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Floor	21.3 m²	☐ Concrete or terrazzo	None	Apply selected
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Concrete or terrazzo assigned to Floor. Existing treatment preserved.

LIVE ESTIMATE

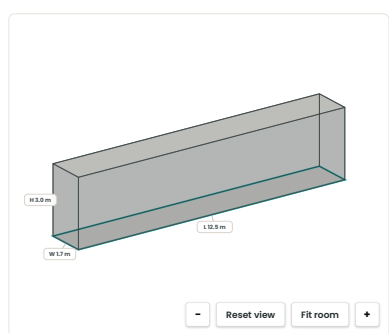
Room reverberation

Room view

Room dimensions

Length (M) Width (M) Height (M)

12.5 1.7 3



Drag away from the dimension labels to orbit. Drag the L, W, or H label along its arrow to resize, or focus a label and use the arrow keys. Scroll to zoom; use Fit room after large geometry changes. Double-click a face or select a surface row above. Treatment coverage expands uniformly from the centre for illustration; the calculation uses area, not displayed placement.

Calculation method Indicative target Target RT60 (seconds)

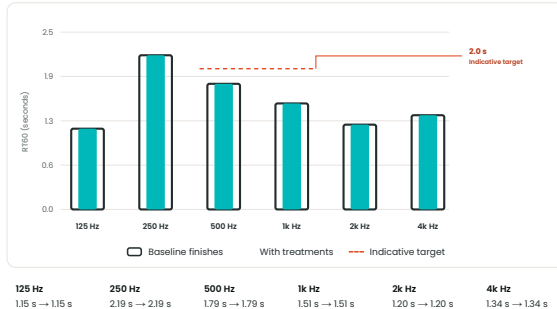
Sabine Norris-Eyring Custom 2.0 s 2

Room volume 63.8 m³ Total surface area 127.7 m²

Baseline 1.65 s 500 Hz-1 kHz mean With treatments 1.65 s 500 Hz-1 kHz mean At or below the indicative target.

RT60 by octave band

Compared using the 500 Hz and 1000 Hz octave-band mean. The reference is indicative only, not a compliance result.



Take room analysis into Revit

Acouso-ROOM connects acoustic materials and results to rooms in your live project model.

Explore Acouso-ROOM Start free trial