



Sound Test Instructions

For questions or more information please visit SoundGuard.io or contact us at info@soundguard.io or 800-955-3991

Before Product Application Testing

1. Use a Class 1 sound meter to monitor both the output of the speaker and the sound transfer between walls.
2. Use 90+ watt speaker (we use the Ion portable speaker)
3. Make sure HVAC is turned off in both rooms.
4. Make sure doors and windows are closed
5. Make sure HVAC is turned off
6. Turn on Class 1 sound meter to establish the baseline “quiet room” readings
7. In room 1, place speaker on a table roughly 24” tall and center it 3-4 feet from the wall
8. Connect your phone to the speaker via cable or bluetooth
9. Open up the WhiteNoise app on your phone

Before Sound Test #1 - white noise

10. Using the WhiteNoise app on your phone, play white noise at 85 decibels as indicated on the Class 1 sound meter.
11. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
12. If the readings coming through the wall were less than 8 decibels above a quiet room then go back into room 1 but this time play white noise at 90 decibels. Just like before, go back into room 2 and using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.

Before Sound Test #2 - pink noise

13. Using the WhiteNoise app on your phone, play pink noise at 85 decibels as indicated on the Class 1 sound meter.
14. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
15. If the readings coming through the wall were less than 8 decibels above a quiet room then go back into room 1 but this time play pink noise at 90 decibels. Just like before, go back into room 2 and using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.



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Before Sound Test #3 - brown noise

16. Using the WhiteNoise app on your phone, play brown noise at 85 decibels as indicated on the Class 1 sound meter.
17. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
18. If the readings coming through the wall were less than 8 decibels above a quiet room then go back into room 1 but this time play brown noise at 90 decibels. Just like before, go back into room 2 and using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.

Before Sound Test #4 - music

19. Using the WhiteNoise app on your phone, play music at 85 decibels as indicated on the Class 1 sound meter.
20. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
21. If the readings coming through the wall were less than 8 decibels above a quiet room then go back into room 1 but this time play music at 90 decibels. Just like before, go back into room 2 and using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.

Before Sound Test #5 - podcast

22. Using the WhiteNoise app on your phone, play a podcast at 85 decibels as indicated on the Class 1 sound meter.
23. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.



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24. If the readings coming through the wall were less than 8 decibels above a quiet room then go back into room 1 but this time play a podcast at 90 decibels. Just like before, go back into room 2 and using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.

After Product Application Testing

Should be performed approximately 24 hours after final coat of SoundGuard was applied

1. Install the Metacaulk STC outlet seals into the cable, internet and electrical outlets, then reinstall the receptacle covers.
2. Make sure doors and windows are closed
3. Make HVAC is turned off in both rooms
4. In room 1, place speaker on a table roughly 24" tall and center it 3-4 feet from the wall.
5. Connect your phone to the speaker via cable or bluetooth
6. Open up the WhiteNoise app on your phone

After Sound Test #1 - white noise

25. Using the WhiteNoise app on your phone, play white noise at 85 decibels as indicated on the Class 1 sound meter.
26. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
27. Using the WhiteNoise app on your phone, play white noise at 90 decibels as indicated on the Class 1 sound meter.
28. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements

After Sound Test #2 - pink noise

29. Using the WhiteNoise app on your phone, play pink noise at 85 decibels as indicated on the Class 1 sound meter.



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30. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
31. Using the WhiteNoise app on your phone, play pink noise at 90 decibels as indicated on the Class 1 sound meter.
32. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements

After Sound Test #3 - brown noise

33. Using the WhiteNoise app on your phone, play brown noise at 85 decibels as indicated on the Class 1 sound meter.
34. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
35. Using the WhiteNoise app on your phone, play brown noise at 90 decibels as indicated on the Class 1 sound meter.
36. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements

After Sound Test #4 - music (make sure you use the same music from the before test)

37. Using the WhiteNoise app on your phone, play music at 85 decibels as indicated on the Class 1 sound meter.
38. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
39. Using the WhiteNoise app on your phone, play music at 90 decibels as indicated on the Class 1 sound meter.



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40. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements

After Sound Test #5 - podcast (make sure you use the same podcast from the before test)

41. Using the WhiteNoise app on your phone, play a podcast at 85 decibels as indicated on the Class 1 sound meter.
42. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements.
43. Using the WhiteNoise app on your phone, play a podcast at 90 decibels as indicated on the Class 1 sound meter.
44. In room 2, using the Class 1 sound meter, take measurements of the decibels coming through the center of the wall, the edges of the wall and near the receptacles. Record the average readings of those measurements