

Reverberation CPD

Architectural linings for reverberation control assessment questions

Name: _____

Email: _____

Company: _____

Date: _____

1. What is the difference between sound and noise?

2. Approximately how many times more sound pressure does a 90db sound event have than a 30db sound event?

3. What is the highest frequency that can be heard with the human ear?

4. What question does Room Acoustics answer?

5. If a material absorbed all the sound that came into contact with it, what would its absorption coefficient be?

6. What is the best "Single number value" to use when assessing the performance of acoustic products for Room Acoustics?

7. Name 3 reasons why good room acoustics is important.

8. What is the recommended range for reverberation time for an office Boardroom?

9. You have a client who is complaining that his meeting room is too echoey. The room is 6m long x 4m wide and 2.7m high. It has a set plasterboard ceiling, Carpet tiles on the floor, three plasterboard walls, 1 glazing wall. There are two windows on the plasterboard walls 2.4x0.9m. The windows have a timber blinds but no curtains. What acoustic material can you recommend and how much will the client need?

10. Think of a space you are designed recently where acoustics is important to its use. Calculate whether you had sufficient absorption linings and if you had to add more how would you do it?
