



Advanced Acoustics R10 Acoustic Matting Data Sheet

Technical Specification of R10 When Used On A Timber Suspended Floor

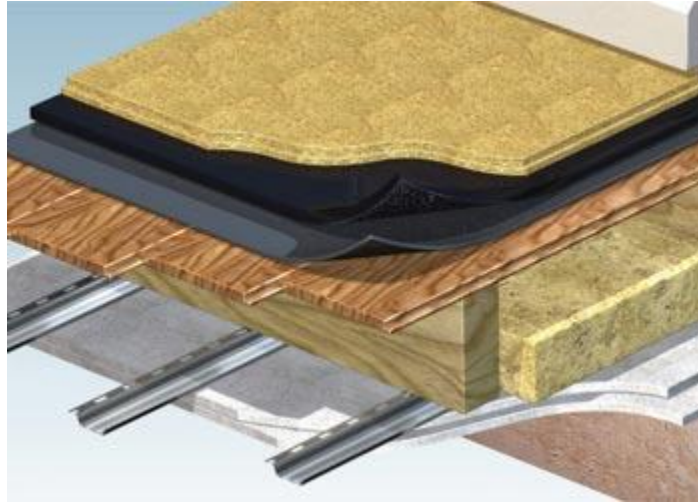
Incorporating the latest changes to the Approved Document E, the minimum and maximum airborne noise and impact sound insulation requirement for separating floors are as follows:

Airborne Sound Reduction (DnTw,w+C;tr)	43dB or greater (Conversion)	45dB or greater (New Build)
Impact Sound Level (LnTw)	64dB or less (Conversion)	62dB or less (New Build)

To comply with the requirements of Document E, R10 sound insulated separating floors have been tested in accordance with BS EN ISO 717-1997. Substituting the 25mm mineral wool floating layer normally specified with a more stable and efficient recycled rubber resilient layer. 10mm thick sound absorbing R10 and the ceiling should be supported with 16mm deep resilient bars.

Advanced Acoustics

www.advancedacoustics-uk.com | info@advancedacoustics-uk.com | 01623 643609



With a floating layer of 19mm thick QuestBoard cement impregnated T&G Chipboard placed on top of the R10 acoustic insulation as shown above, the following site test result was recorded:

Airborne	48dB Dnt,w+Ctr
Impact LnTW	52dB

With R10 and QuietBoard installed on top of a base floor of QuietBoard the following site test result was recorded:

Airborne	55dB Dnt,wCtr
Impact LnTw	55dB

Which meets the new change of use, conversion and new build requirements.

NOTE! Size and spacing of the timber joists will affect the overall sound insulating performance. If the joists differ from those on the floor that was tested, please contact us for further advice. Failure to follow the application instructions may result in a failed test.