

SOUND INSULATION

CARL HOPKINS



Butterworth-Heinemann is an imprint of Elsevier
Linacre House, Jordan Hill, Oxford OX2 8DP, UK
30 Corporate Drive, Suite 400, Burlington, MA 01803, USA

First edition 2007

Copyright © 2007, Carl Hopkins. Published by Elsevier Ltd. All rights reserved

The right of Carl Hopkins to be identified as the author of this work has been asserted
in accordance with the Copyright, Designs and Patents Act 1988

References

- Allard, J.F. (1993). *Propagation of sound in porous media: modelling sound absorbing materials*, Elsevier Science Publishers Ltd, London and New York. ISBN: 185166887X.
- Allard, J.F. and Champoux, Y. (1992). New empirical equations for sound propagation in rigid frame fibrous materials, *Journal of the Acoustical Society of America*, **91** (6), 3346–3353.
- Arau-Puchades, H. (1988). An improved reverberation formula, *Acustica*, **65**, 163–180.
- Attenborough, K. (1988). Review of ground effects on outdoor sound propagation from continuous broadband sources, *Applied Acoustics*, **24**, 289–319.
- Barron, M. (1973). Growth and decay of sound intensity in rooms according to some formulae of geometric acoustics theory, *Journal of Sound and Vibration*, **27** (2), 183–196.
- Beranek, L.L. (1947). Acoustical properties of homogeneous, isotropic rigid tiles and flexible blankets, *Journal of the Acoustical Society of America*, **19** (4), 556–568.
- Bies, D.A. (1988). Acoustical properties of porous materials. In Beranek, L.L. (ed.), *Noise and vibration control*, Washington, DC. Institute of Noise Control Engineering, 245–269. ISBN: 0962207209.
- Bies, D.A. and Hansen, C.H. (1980). Flow resistance information for acoustical design, *Applied Acoustics*, **13**, 357–391.
- Biot, M.A. (1956). Theory of propagation of elastic waves in a fluid-saturated porous solid. I. Low-frequency range. II. Higher frequency range, *Journal of the Acoustical Society of America*, **28** (2), 168–191.
- Bodlund, K. (1976). Statistical characteristics of some standard reverberant sound field measurements, *Journal of Sound and Vibration*, **45** (4), 539–557.