

ADMINISTRATIVE ORDER # 2007-8

Sound Transmission International Residential Code

Purpose: The purpose of this Administrative Order is to provide guidance as to the Code Compliance Department's policy concerning the requirements for limiting sound transmission in buildings constructed under the International Residential Code.

Justification: The regulation of sound transmission bears directly on the psychological well-being of the building's occupants and the occupants' long-term physical well-being. By implementing the minimum sound transmission criteria set forth in applicable appendix of the International Residential Code, Manheim Township can assist in providing a more livable environment for the occupants.

Determination: The applicable appendix of the International Residential Code in effect at the time of the building permit application shall be used when designing and constructing assemblies to comply with air-borne sound and structural-borne sound assemblies and penetrations.

Airborne Sound Requirements: Wall and floor-ceiling assemblies between dwelling units shall provide a Sound Transmission Class (STC) rating of 45 when tested in accordance with ASTM E 90.

Structural-Borne Sound Requirements: Floor-ceiling assemblies between dwelling units or between the dwelling unit and a public or service area within a structure shall have an Impact Insulation Class (IIC) rating of not less than 45 when tested in accordance with ASTM E 492.

Issued by: 
Ronald C. Fony
Director of Code Compliance

Effective date: 1-2-08