

2006 International Building Code® / CHAPTER 12 INTERIOR ENVIRONMENT / SECTION 1207 SOUND TRANSMISSION

**SECTION 1207
SOUND TRANSMISSION**

2006 International Building Code® / CHAPTER 12 INTERIOR ENVIRONMENT / SECTION 1207 SOUND TRANSMISSION / 1207.1 Scope.

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This section shall apply to common interior walls, partitions and floor/ceiling assemblies between adjacent dwelling units or between dwelling units and adjacent public areas such as halls, corridors, stairs or service areas.

2006 International Building Code® / CHAPTER 12 INTERIOR ENVIRONMENT / SECTION 1207 SOUND TRANSMISSION / 1207.2 Air-borne sound.

1207.2 Air-borne sound.

Walls, partitions and floor/ceiling assemblies separating dwelling units from each other or from public or service areas shall have a sound transmission class (STC) of not less than 50 (45 if field tested) for air-borne noise when tested in accordance with ASTM E 90. Penetrations or openings in construction assemblies for piping; electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings. This requirement shall not apply to dwelling unit entrance doors; however, such doors shall be tight fitting to the frame and sill.

2006 International Building Code® / CHAPTER 12 INTERIOR ENVIRONMENT / SECTION 1207 SOUND TRANSMISSION / 1207.3 Structure-borne sound.

1207.3 Structure-borne sound.

Floor/ceiling assemblies between dwelling units or between a dwelling unit and a public or service area within the structure shall have an impact insulation class (IIC) rating of not less than 50 (45 if field tested) when tested in accordance with ASTM E 492.