



FLOOR ACOUSTIC INSULATION REQUIREMENTS

Florida Building Code 2020
SECTION 1207

SOUND TRANSMISSION

1207.1 Scope.

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

1207.2 Air-borne sound.

Walls, partitions and floor/ceiling *assemblies separating dwelling units and sleeping units from each other or from public or service areas* shall have a sound transmission class of not less than 50, or not less than 45 if field tested, for air-borne noise when tested in accordance with ASTM E90. 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 entrance doors; however, such doors shall be tight fitting to the frame and sill.*

1207.2.1 Masonry.

The sound transmission class of concrete masonry and clay masonry assemblies shall be calculated in accordance with TMS 0302 or determined through testing in accordance with ASTM E90.

1207.3 Structure-borne sound.

Floor/ceiling assemblies *between dwelling units and sleeping units or between a dwelling unit or sleeping unit and a public or service area within* the structure shall have an impact insulation class rating of not less than 50, or not less than 45 if field tested, when tested in accordance with ASTM E492.

Reference

https://codes.iccsafe.org/content/FBC2017/chapter-12-interior-environment#FBC2017_Ch12_Sec1202