



Hard Flooring Minimum Sound Transmission Standards

Flooring materials shall meet or exceed the following minimum sound transmission standards as required by the California Building Code for Type V multistory residential structures with 1" floor leveling courses:

Airborne sound insulation assemblies shall meet a Sound Transmission Class (STC) rating of 50 based on laboratory tests as defined in ASTM E 90 and E 413. Field-tested assemblies shall meet a Noise Insulation Class (NIC) rating of 45 as defined in ASTM E 336.

Impact sound insulation assemblies shall meet an Impact Insulation Class (IIC) rating of 50 based on laboratory tests as defined in ASTM E 492 and E 989. Field-tested assemblies shall meet a Field Impact Insulation Class (FIIC) rating of 45 as defined in ASTM E 1007.

Newly installed flooring must meet or exceed all manufacturer's installation requirements.