

Acoustics Definitions

STC



Sound Transmission Class is a measurement of the amount of airborne sound energy the product prevents from transmitting from one room to another. A loud noise is played in one room and a device measures how much of that sound energy is transmitted into the next room (above or below).

If airborne sound like conversations, music, TVs, or dogs barking will be present in the room above, a high STC product can help reduce the amount of sound transmitted to the room below.

When measuring STC floor to floor, the flooring choice can impact 1-3 STC points, the largest contributors are the floor and ceiling construction and materials. For example adding a sheetrock ceiling to an 6" concrete construction can add as many as 9 STC points.

