

Acoustics Definitions

IIC



Impact Insulation Class is a measurement of the amount of impact energy absorbed by the product. This test is designed for floor and ceiling materials. A machine taps on the floor repetitively with metal hammers. A device in the room below measures how much of that energy is absorbed or transferred through to the room below. For flooring products there are two factors to consider, what is the result of the hammer striking the floor and how does the product transfer energy.

If the space above will experience people walking around, dropping things or moving furniture a high IIC flooring product will help reduce the amount of noise heard in the room below.



LVT products can have an IIC of 34–56
Carpet tile can have an IIC of 61–67
(8" concrete slab without ceiling)