Subject: Re: What material is the best for soundproofing?
Posted by basscleaner on Tue, 12 Nov 2024 09:45:12 GMT
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The first of all, let us arrange about terms and determinations. To compare correctly soundproofing features we have to take into consideration how we hear and what is to be evaluated. We have to divide all sound range by three parts - Low, middle and high frequencies, because we hear them with different manner, by different sound sensibility. Maximum our sound sensibility relates to 300 - 3000 Hz, however behind and after these limits our ears "work" worse. The presentation to be shown in these two video tells us, that plywood is the best material for middle range and no more. Besides, is well known, that for middle range the main role in soundproofing belongs to the mass law. The density of plywood is bigger than others, so there is nothing to surprise for. How all the constructions will work for LF and HF damping we don't know. The second. In architectural and building acoustics there are no terms "the best or the worst" material in general. However such a determination can be used in relation to real issue, similar constructions, where all parts have their own value in cooperation between each others. There are important to know base (masonry), layers thickness and density, stiffness, air gap etc. There is the cause, why you have to take in consideration all parts of soundproofing construction, but parts separately. It is important even to know how this construction fastened. My conclusion - these videos are popular and reflects the point of view of an amateur, but expert.