Acoustic qualification of Buildings

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Nowadays to seek the quality of a building product is not the demand of few but the necessity of many anymore, since the environmental situations that characterize our way of living have the tendency to contrast him to a good quality of the life. It comes to resolve itself so the necessity to characterize the environments with requisites that facilitate and make best the people's existence . The job of thesis, therefore, is developed through the analysis of the acoustic performances in demand to the components of building in the respect of the normative Italian technique, bringing to a proposal of acoustic qualification of the buildings to residential use. The proposal of qualification places inside the normative italian panorama, in which is possible to find the necessity to delineate a trace that hands to an acoustic qualification of the work, able to establish in univocal and comprehensible way for whoever the class of worth of the product. From this demand a simplified approach of recognition of the immovable's performance was born, profit is to the professional that to the buyer, whose purpose is to become a paper of presentation, a label of the acoustic quality, for the building product, that late anchor to conform itself to the certification of its performances. This proposal would like to be a point of understanding between the professional world and use, often deprived of specific sectorial knowledges, so that, to reduce the number of verifiable controversies between the use and professionals today, also allowing the building product to become a real answer to the demands of improvement of the quality of the life.

In the qualification's model there are some classes, according to an increasing order, consequential from the assignment of points of worth, attributed to the building in base to the performance reached.
The categories considered in the evaluation are those pointed out by the law picture:
- the middle apparent "phonoinsulating" power of the inside divisors among different residential unities;
- the acoustic isolation standardized of façade;
- the level of noise of stamping.

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