

Acoustic comfort in shopping center food court: analysis and proposition of improvements

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ABSTRACT

Acoustic comfort as an important factor in the health and well being of the population is the main focus of this work. The lack of knowledge in part of the population about the importance of adequate acoustic treatment, as well as the relative lack of interest in in-depth studies on the subject, were the main reasons that guided the choice of the theme. Therefore, the general objective of this work is to analyze the current acoustic conditions and propose an acoustic conditioning project for the food court of a shopping center in João Pessoa/PB, aiming to contribute to the improvement of space, thus favoring the permanence and health of users. According to the World Health Organization, noise pollution is one of the most harmful pollution that the human being is exposed, second only to air pollution. In addition, research conducted by the same organization pointed out that 10% of the world population has some hearing loss and a good part of these people had their hearing damaged by excessive exposure to noise. In order to achieve the objective of the research, a sequence of methodological steps was performed, which consisted in a summary of the qualitative and quantitative spatial diagnosis, aiming at the evaluation of the acoustic conditions for the subsequent intervention of acoustic conditioning through the project (preliminary study level). Thus, new materials and new visual identity was proposed bringing higher quality to the space as a whole. Finally, the research reaffirmed the urgency of including acoustics as a strong projective condition, in order to have more humanized spaces.

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