

Improving sound insulation on heating floors

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ACOME had been created in 1932; the company has started to make cables for the army. It has become the first industrial cooperative in France. The company is now active on three major markets: automotive, telecom infrastructure and building solutions. In the building share, ACOME is selling 1.2 million m² of heating floor a year.

A hydraulic heated floor has to be certified at the same time in mechanic resistance, in thermic insulation and in soundproofing. In 2000 appeared an acoustic insulation classification, which now allows a minimum of 15 dB impact sound reduction, while the best requires 22 dB and 8 dB for the aerial sound reduction. ACOME aims for the best in term of this classification.

The mission has started by an approach on the certification, to benchmark the soundproofing in multiple fields and to have the fundamentals in acoustic. A focused study on the entire system as an acoustic point of view, find the right way to simulate, imagining a setup for measuring sound isolation. Finally, to propose innovative products for ACOME.

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