



Novel Acoustic Performance

Grant agreement n°: 666425 Call: H2020-SMEINST-2-2014

Objective:

To Develop a cost competitive Eco-Friendly and acoustic wooden door for indoor applications, that ensures:

- 37 dB in acoustic performance (sound reduction index; S.R.I)
- Fire resistance at EI30 (meaning the door can keep its integrity at least 30 minutes in case of fire)
- Door thickness of 55 mm and a maximum weight of 70 kg.





Partners: 3 door manufacturers



Germany
(Coordinator)



Subcontractors



Spain



Spain



Slovenia

The role of CETEM:

- Selection and validation of eco-friendly materials to be employed in the production of three different prototypes that showed acoustic and fire performance.
- Cost and Life Cycle Assessment of the prototypes produced, achieving, in all cases, important improvements in most of the defined environmental impacts.
- Establishing and adapting an Lean Manufacturing Strategy in the three participant companies, With the aim to obtain the maximum of possible efficiency in the manufacture of the products ECO-SILENTWOOD

