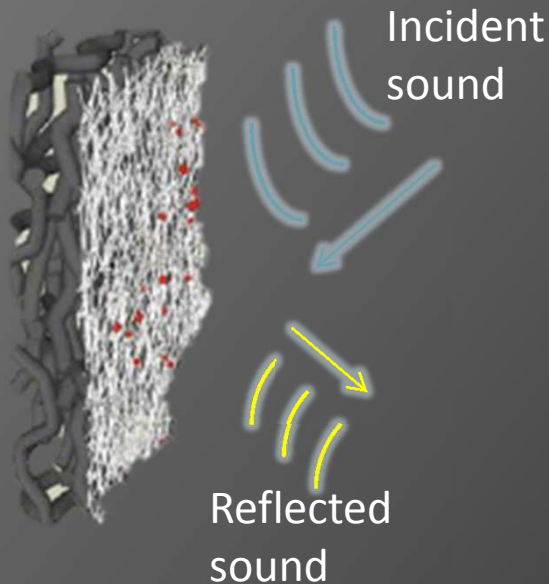


NOISEFREE TEX

DEMONSTRATIVE SOLUTIONS TO REDUCE NOISE POLLUTION IN INDUSTRIAL AREAS, USING FINISHING TECHNOLOGIES IN TEXTILE MATERIALS



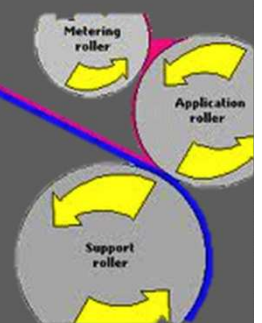
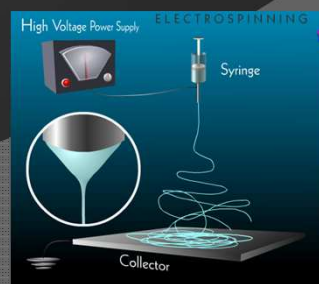
Project Objective:

The use of textile materials in the infrastructures can provide significant improvements in the acoustic absorption of all the frequency range of interest to this field, including low and mid- to-low frequencies.

Production of synthetic and natural textile materials permits optimised products to be produced through the design and adaptation of structural and morphologic properties; in addition textile materials can be coated and finished improving acoustic absorption and isolation. Moreover, by their characteristics, these materials are ideal for the decrease of the scenic impact



Involved technologies



The expected results:

- To find textile materials with specific acoustic properties.
- To characterize the acquired textile materials (acoustic properties and fire behaviour)
- To improve the acoustic base-properties with finishing processes. It is expected to improve minimum 20% absorption coefficient in normal incidence.



Project BENEFCIARIES