

## **Project description**

## Development of lighter plant fiber-reinforced clay building panels - feasibility and customer interest (FaLeScha)

Against the background of high environmental impact and strong energy input in the construction industry, innovative products for interior construction are to be developed and their acceptance investigated. By adding plant fibers and foams, the weight of earthen building boards is to be reduced and lighter, natural-fiber-reinforced earthen building boards are to be developed. The requirements of craftspeople and consumers for such boards will also be analyzed.

Specific project objectives are:

1. to investigate the feasibility of natural fiber-reinforced clay foams made from Renewable Resources for weight reduction in clay building panels

2. Development of lighter natural fiber-reinforced clay building panels on this basis

3. Analysis of the interest of building enthusiasts and craftsmen in such earth building panels

4. Preparation of information materials for building materials trade and craftsmen on earthen building boards and lighter earthen building boards based on plant fiber-reinforced foams

Gefördert durch

Bayerisches Staatsministerium für Ernährung, Landwirtschaft und Forsten





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The project partner is the Department of Organic Analytical Chemistry (https://oac.cs.tum.de/). Furthermore, companies from the agricultural and construction sectors will be involved in the project, too.