

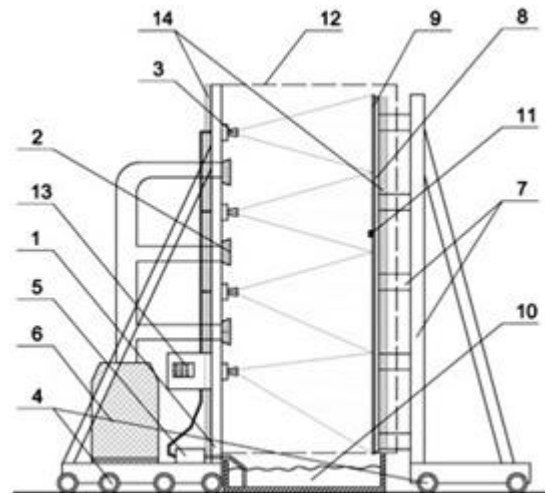


MOBILE CHAMBER FOR AGEING TESTING OF BUILDING MATERIALS

Ideas on utilisation

The invention makes it possible to simulate ageing processes in building materials, in particular in fibre-cement boards, in accordance with the requirements of the PN-EN 12467 and the PN-EN 494 standards.

The simulation of ageing processes consists in the cyclical repetition of the sprinkling and heating process of a given board in a thermally insulated mobile chamber. The chamber is fully automated, thanks to which the desired temperature, heating time, sprinkling time and the number of cycles can be set easily and intuitively. The full test cycle reflects several years of use in changing atmospheric conditions (elevated temperature and rain)



Potential adopters of technology

Not determined

Advantages of technology

Simulation of ageing processes, the influence of atmospheric conditions on a building product.

- Significant acceleration of ageing processes compared to existing methods of observation in time.
- Adaptation of simulation parameters to individual requirements and standards for a given product.
- The solution offered has been submitted for patent protection under the name of "Chamber for ageing tests" (P.406158 of 21-11-2013).B7

Market and context of technology

The market for manufacturers of building materials, in particular fibre-cement boards.

Preconditions in adopting enterprises

Not determined